CHAPTER 91

LIST OF EFFECTIVE TEMPORARY REVISIONS

FOLLOWING IS A COMPLETE LISTING OF ALL ACTIVE TEMPORARY REVISIONS (TR'S). TR'S NOT LISTED SHOULD BE REMOVED. THE ATA NUMBER, CONFIG CODE AND PAGE NUMBER IDENTIFIES THE PAGE PRECEDING THE TR.

TR NUMBER	ATA NUMBER	CONFIG CODE	PAGE NUMBER	TR DATE

NONE

CHAPTER 91

CHARTS

LIST OF EFFECTIVE PAGES

CHAPTER/ SECTION	PAGE	DATE	CONFIG CODE
List of Effective Pages	1/2	Dec 15/93	
Table of Contents	1	Feb 15/82	
	2	Nov 15/87	
	3	Feb 15/82	
	4	Feb 15/82	
91-00-00	1/2	Mar 15/84	
91-27-11	1	Jul 15/83	
91-27-11	2	Aug 15/81	
91-27-11	3	Aug 15/81	
91-27-11	4	May 15/77	
91-27-11	5	Nov 15/84	
91-27-11	6	May 15/77	
91-27-11	7	Feb 15/78	
91-27-11	8	Nov 15/84	
91-27-11	9	Nov 15/84	
91-27-11	10	Jun 15/80	
91-27-11	11/12	Jun 15/80	
91-27-12	1	Jul 15/83	
91-27-12	2	Aug 15/81	
91-27-12	3	Mar 15/80	
91-27-12	4	Mar 15/80	
91-27-21	1	Jul 15/83	
91-27-21	2	Nov 15/82	
91-27-21	3	May 15/82	
91-27-21	4	May 15/82	
91-27-22	1	Jul 15/83	
91-27-22	2	May 15/77	
91-27-22	3/4	May 15/77	
91-27-31	1	Jul 15/83	
91-27-31	2	Nov 15/77	
91-27-41	1	Jul 15/83	
91-27-41	2	Aug 15/81	
91-27-41	3	Mar 15/80	
91-27-41	4	Nov 15/77	
91-27-41	5	Nov 15/77	
91-27-41	6	Nov 15/77	
91-27-41	7	Jun 15/80	
91-27-41	8	Jun 15/80	
91-27-41	9/10	Feb 15/82	
91-27-42	1	Jul 15/83	
91-27-42	2	Aug 15/81	
91-27-42	3/4	Dec 15/80	
91-27-51	1	Dec 15/92	
91-27-51	2	Dec 15/79	
91-27-51	3	Dec 15/92	
91-27-51	4	Nov 15/77	
91-27-61	1	Jul 15/83	
91-27-61	2	Nov 15/87	
R 91-27-61	3	Dec 15/93	
91-27-61	4	Aug 15/78	
91-27-61	5	Jul 15/84	
91-27-61	6	May 15/82	
91-32-37	1	Jul 15/83	
91-32-37	2	Mar 15/83	
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91-32-43	1	Jul 15/83	
91-32-43	2	Jul 15/83	
91-32-43	3	Dec 15/92	
91-32-43	4	Dec 15/92	
91-32-48	1	Jul 15/83	
91-32-48	2	Nov 15/81	
91-32-48	3/4	Nov 15/81	
91-32-51	1	Jul 15/83	
91-32-51	2	Mar 15/84	
91-32-51	3/4	Mar 15/84	
91-76-11	1	Jul 15/83	
91-76-11	2	Mar 15/84	
91-76-11	3	Jun 15/79	
91-76-11	4	Jun 15/79	
91-76-11	5	Dec 15/80	
91-76-11	6	Dec 15/80	
91-76-11	7	Jun 15/79	
91-76-11	8	Nov 15/84	
91-76-11	9	Nov 15/83	
91-76-11	10	Nov 15/83	
91-76-11	11	Nov 15/83	
91-76-11	12	Dec 15/92	

CHAPTER 91

CHARTS

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Description and Operation		1	ALL
Control Cables			

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CABLES - CONTROL, AILERON Description and Operation General	91-27-11	1	ALL
CABLES - TRIM, AILERON Description and Operation General	91-27-12	1	ALL
CABLES - CONTROL, RUDDER Description and Operation General	91-27-21	1	ALL
CABLES - TRIM, RUDDER Description and Operation General	91-27-22	1	ALL
CABLES - CONTROL, ELEVATOR Description and Operation General	91-27-31	1	ALL
CABLES - CONTROL, HORIZONTAL STABILIZER Description and Operation General	91-27-41	1	ALL
CABLES - TRIM, HORIZONTAL STABILIZER Description and Operation General	91-27-42	1	ALL
CABLES - CONTROL, FLAP/SLAT Description and Operation General	91-27-51	1	ALL
CABLES - CONTROL, SPOILER Description and Operation General	91-27-61	1	ALL

Subject	Chapter Section Subject	Page	Effectivity
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CABLES - LANDING GEAR EMERGENCY EXTENSION AND DOOR GROUND RELEASE	91-32-37		
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General			
CABLES - PARKING BRAKE	91-32-48		
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General			
CABLES - NOSE GEAR STEERING	91-32-51		
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General			

Subject	Chapter Section Subject	Page	Effectivity
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CABLES - CONTROL, ENGINE POWER Description and Operation	91-76-11	1	ALL

CHAPTER 91

CHARTS
DESCRIPTION AND OPERATION

1. Control Cables

This chapter contains information pertaining to control cables. The cable systems are illustrated to show location of each cable and its disconnect points, turnbuckles, fairlead rollers, and pressure seals. The following control cable systems are included:

91-27-11	Aileron Control Cables
91-27-12	Aileron Trim Cables
91-27-21	Rudder Control Cables
91-27-22	Rudder Trim Cables
91-27-41	Horizontal Stabilizer Control Cables
91-27-42	Horizontal Stabilizer Trim Cables
91-27-51	Flap/Slat Control Cables
91-32-37	Land Gear Emergency Extension and Door Ground Release Cables
91-32-43	MLG Brake System Cables
91-32-48	Parking Brake Cables
91-32-51	Nose Gear Steering Cables
91-27-61	Spoiler Control Cables
91-76-11	Engine Power Control Cables

NOTE: Recommended cable construction: 1/8 inch diameter - 7X19 and 3/32 in diameter - 7X7.

CR Although this manual specifies tin coated carbon steel
CR (flexible) preformed cable conforming to MIL-W-83420,
CR carbon steel cables now in use are zinc coated conforming
CR to the same specification.

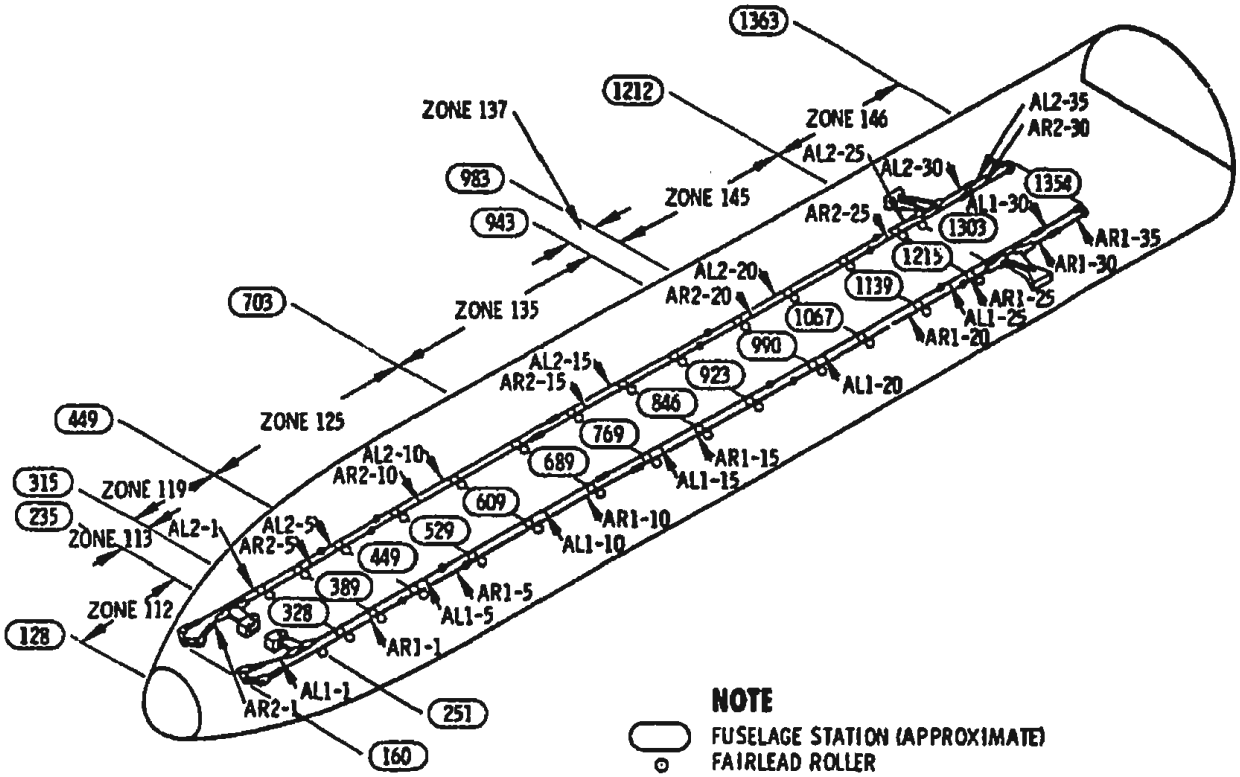
AILERON CONTROL CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

FIGURE	TITLE
1	Aileron Control Cables (AR1, AR2, AL1, AL2)
2	AR1 Cable Fabrication Data
3	AR2 Cable Fabrication Data
4	AL1 Cable Fabrication Data
5	AL2 Cable Fabrication Data
6	Outboard Aileron Control Cables (OADL, OAUL, OADR, OAUR)
7	OADL, OAUL, OADR, OAUR Cable Fabrication Data
8	Aileron Control Disconnect Cables (RD-1, RD-2, RD-3)
9	RD Cable Fabrication Data



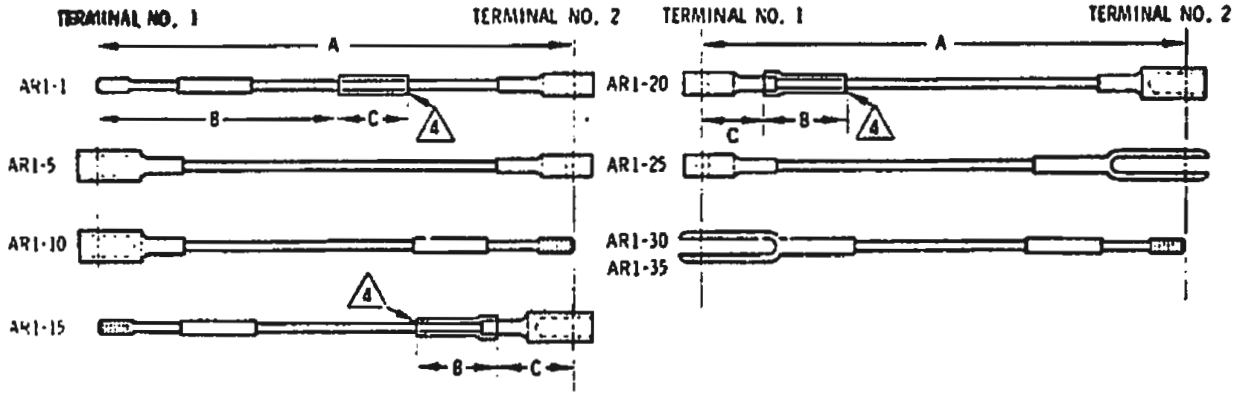
NOTE

⬭	FUSELAGE STATION (APPROXIMATE)
⊙	FAIRLEAD ROLLER
▬	TURNBUCKLE FITTING
•	LOCKCLAD DISCONNECT COUPLING
AL1	AILERON LEFT ROLL, CAPTAIN
AR1	AILERON RIGHT ROLL, CAPTAIN
AL2	AILERON LEFT ROLL, FIRST OFFICER
AR2	AILERON RIGHT ROLL, FIRST OFFICER

M1-0001-27-901

R Aileron Control Cables (AR1, AR2, AL1, AL2)
R Figure 1

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			(2) TERM. INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C		NO. 1	NO. 2
AR1-1	1551000-167	18	CS-C	249.12 (±0.13)	53.62 (±0.25)	71.00 (±0.25)	-	LS10404L4RH	LS10967-4A
AR1-5	LS10403FG4A524	18	CS-C	82.50 (±0.12)	----	----	0	LS10966-4A	LS10967-4A
AR1-10	LS10403BF4A2414	18	CS-C	241.50 (±0.12)	----	----	0	LS10966-4A	LS10404L4LH
AR1-15	1551000-105	18	CS-C	209.00 (±0.13)	65.50 (±0.25)	0.75-1.00	-	LS10404L4RH	LS10966-4A
AR1-20	1551002-101	18	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	-	LS10967-4A	LS10966-4A
AR1-25	LS10403GJ4A1160	18	CS-C	116.00 (±0.12)	----	----	0	LS10967-4A	LS10946B
AR1-30	LS10403BJ4A276	18	CS-C	27.75 (±0.12)	----	----	0	LS10946B	LS10404L4RH
AR1-35	LS10403AJ4A117	18	CS-C	11.87 (±0.12)	----	----	0	LS10946B	LS10404L4RH



NOTE

(1) MATERIAL CODES
- CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

MI-0301-91-048

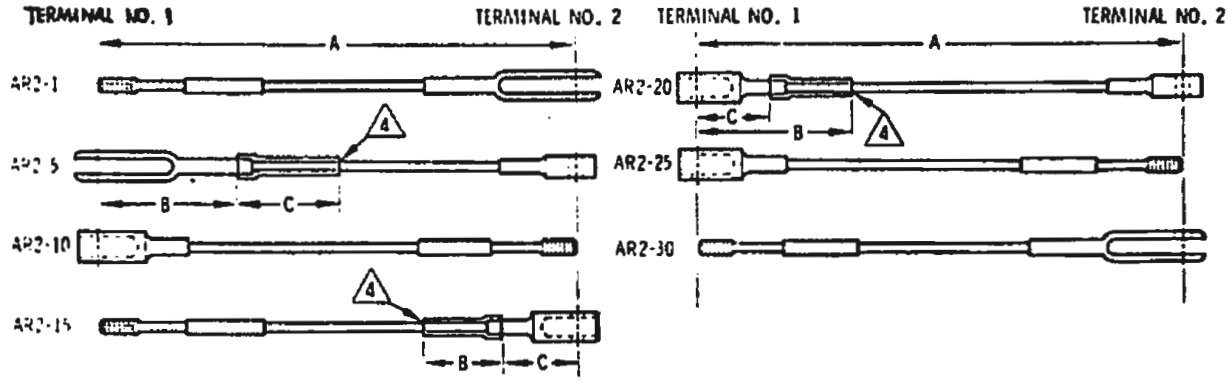
R
R

AR1 Cable Fabrication Data
Figure 2

EFFECTIVITY: ALL

0018

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			(2) TERM. INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C		NO. 1	NO. 2
AR2-1	LS10403BJ4C550	18	CS-C	55.00 (±0.12)	----	----	90	LS10404L4LH	LS10946B
AR2-5	1551009-111	18	CS-C	256.00 (±0.20)	1.50 (±0.25)	66.50 (±0.25)	--	LS10946B	LS10967-4A
AR2-10	LS10403AF4A2230	18	CS-C	223.00 (±0.12)	----	----	0	LS10966-4A	LS10404L4RH
AR2-15	1551006-107	18	CS-C	227.75 (±0.13)	47.00 (±0.25)	0.75-1.00	--	LS10404L4LH	LS10967-4A
AR2-20	1551007-103	18	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	--	LS10966-4A	LS10967-4A
AR2-25	LS10403AF4A1660	18	CS-C	166.00 (±0.12)	----	----	0	LS10966-4A	LS10404L4RH
AR2-30	LS10403BJ4A130	18	CS-C	13.00 (±0.12)	----	----	0	LS10404L4LH	LS10946B



NOTE

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- CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

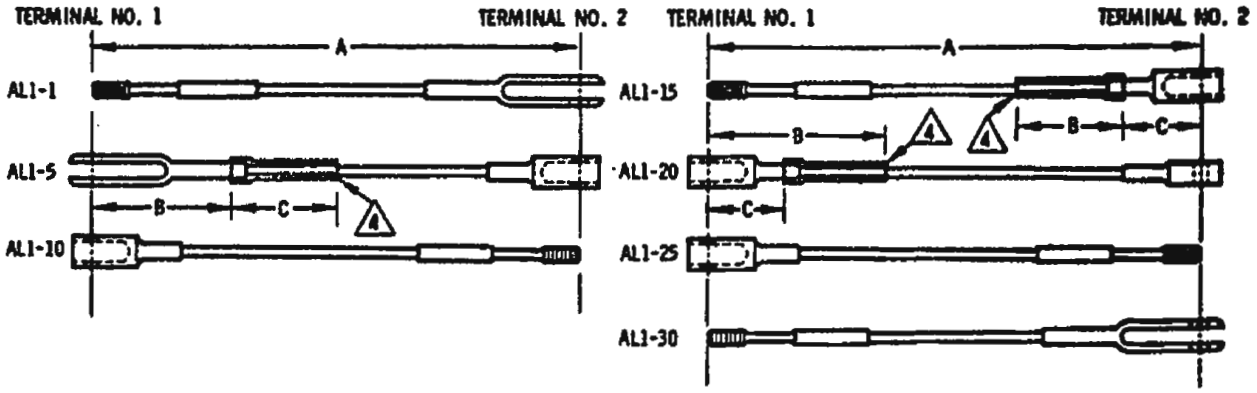
M1-0301-91-050

AR2 Cable Fabrication Data
Figure 3

EFFECTIVITY: ALL

001R

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			(2) TERM. INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C		NO. 1	NO. 2
AL1-1	LS10403BJ4K550	1/8	CS-C	55.00 (±0.12)	----	----	90	LS10408L4LH	LS10946B
AL1-5	1551009-111	1/8	CS-C	256.00 (±0.20)	1.50 (±0.25)	66.50 (±0.25)	--	LS10946B	LS10967-4A
AL1-10	LS10403AF4A2230	1/8	CS-C	223.00 (±0.12)	----	----	0	LS10966-4A	LS10408L4RH
AL1-15	1551006-107	1/8	CS-C	227.75 (±0.13)	47.00 (±0.25)	0.75-1.00	--	LS10408L4LH	LS10967-4A
AL1-20	1551007-103	1/8	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	--	LS10966-4A	LS10967-4A
AL1-25	LS10403RF4A1660	1/8	CS-C	166.00 (±0.12)	----	----	0	LS10966-4A	LS10408L4RH
AL1-30	LS10403BJ4A130	1/8	CS-C	13.00 (±0.12)	----	----	0	LS10408L4LH	LS10946B



NOTE

(1) MATERIAL CODES
- CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

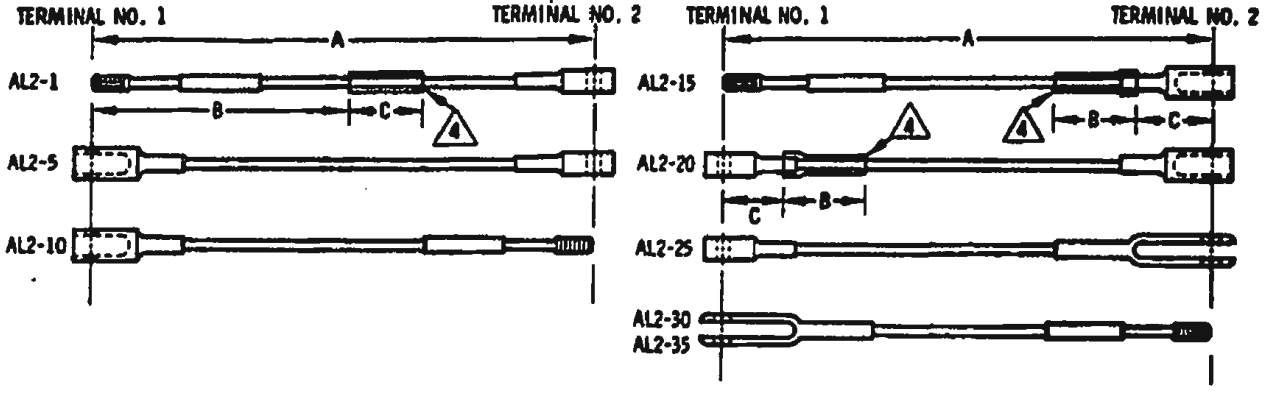
3 ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-C90L-91-009

Al1 Cable Fabrication Data
Figure 4

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE					2 TERM. INDEX	TERMINAL FITTING	
		DIA	1 MAT	A	B	C		NO. 1	NO. 2
AL2-1	1551006-167	1/8	CS-C	249.12 (±0.13)	53.62 (±0.25)	71.00 (±0.25)	-	LS10404L4RH	LS10967-4A
AL2-5	LS10403FG4A824	1/8	CS-C	82.50 (±0.12)	----	----	0	LS10966-4A	LS10967-4A
AL2-10	LS10403BF4A2414	1/8	CS-C	241.50 (±0.12)	----	----	0	LS10966-4A	LS10404L4LH
AL2-15	1551006-105	1/8	CS-C	209.00 (±0.13)	65.50 (±0.25)	0.75-1.00	-	LS10404L4RH	LS10966-4A
AL2-20	1551007-101	1/8	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	-	LS10967-4A	LS10966-4A
AL2-25	LS10403GJ4A1160	1/8	CS-C	116.00 (±0.12)	----	----	0	LS10967-4A	LS10946B
AL2-30	LS10403GJ4A276	1/8	CS-C	27.75 (±0.12)	----	----	0	LS10946B	LS10404L4RH
AL2-35	LS10403RJ4A117	1/8	CS-C	11.87 (±0.12)	----	----	0	LS10946B	LS10404L4RH

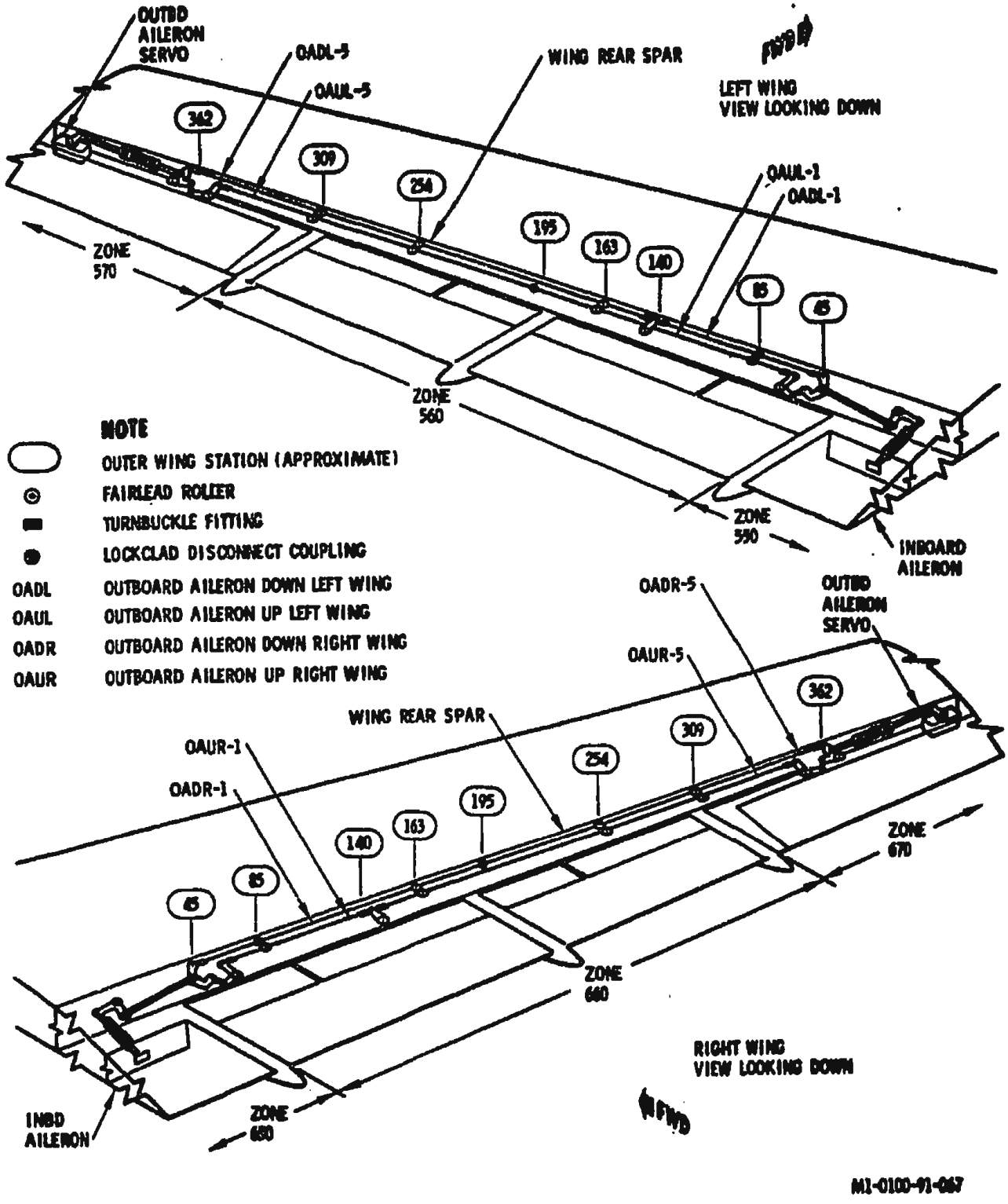


NOTE

1. MATERIAL CODES
   - CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
   - CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
2. NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END
3. ALL DIMENSIONS ARE IN INCHES
4. HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-0301-91-051

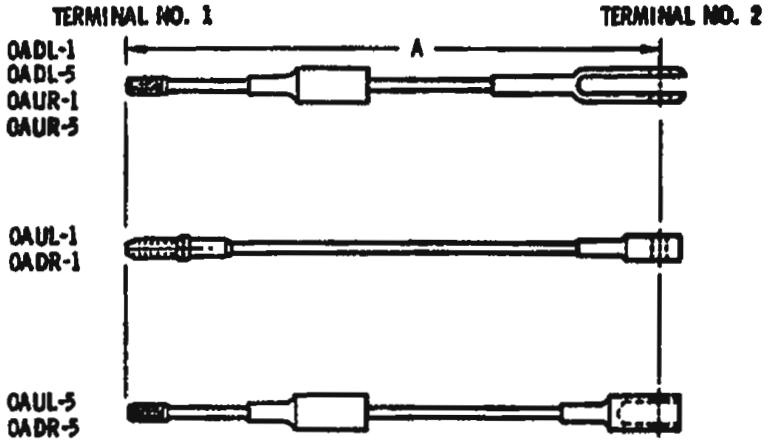
AL2 Cable Fabrication Data
Figure 5



R Outboard Aileron Control Cables (OADL, OAUL, OADR, OAUR)
R Figure 6

R EFFECTIVITY: ALL

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS	⚠2 TERMINAL INDEX	TERMINAL FITTINGS	
		DIA	⚠1 MAT	A		NO. 1	NO. 2
OADL-1	LS10403BJ4K805	1/8	CS-C	88.62 (±0.12)	90	LS10404L4LH	LS10966B
OADL-5	LS10403AJ4K2146	1/8	CS-C	214.75 (±0.12)	90	LS10404L4RH	LS10966B
OAUL-1	LS10403EG4A1405	1/8	CS-C	140.62 (±0.12)	0	LS10965-4	LS10967-4A
OAUL-5	LS10403AF4A1561	1/8	CS-C	156.12 (±0.12)	0	LS10404L4RH	LS10966-4A
OADR-1	LS10403EG4A1477	1/8	CS-C	147.87 (±0.12)	0	LS10965-4	LS10967-4A
OADR-5	LS10403AF4A1612	1/8	CS-C	161.25 (±0.12)	0	LS10404L4RH	LS10966-4A
OAUR-1	LS10403BJ4K825	1/8	CS-C	82.62 (±0.12)	90	LS10404L4LH	LS10966B
OAUR-5	LS10403AJ4K2090	1/8	CS-C	209.00 (±0.2)	90	LS10404L4RH	LS10966B



NOTE

⚠1 MATERIAL CODES
CS - CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

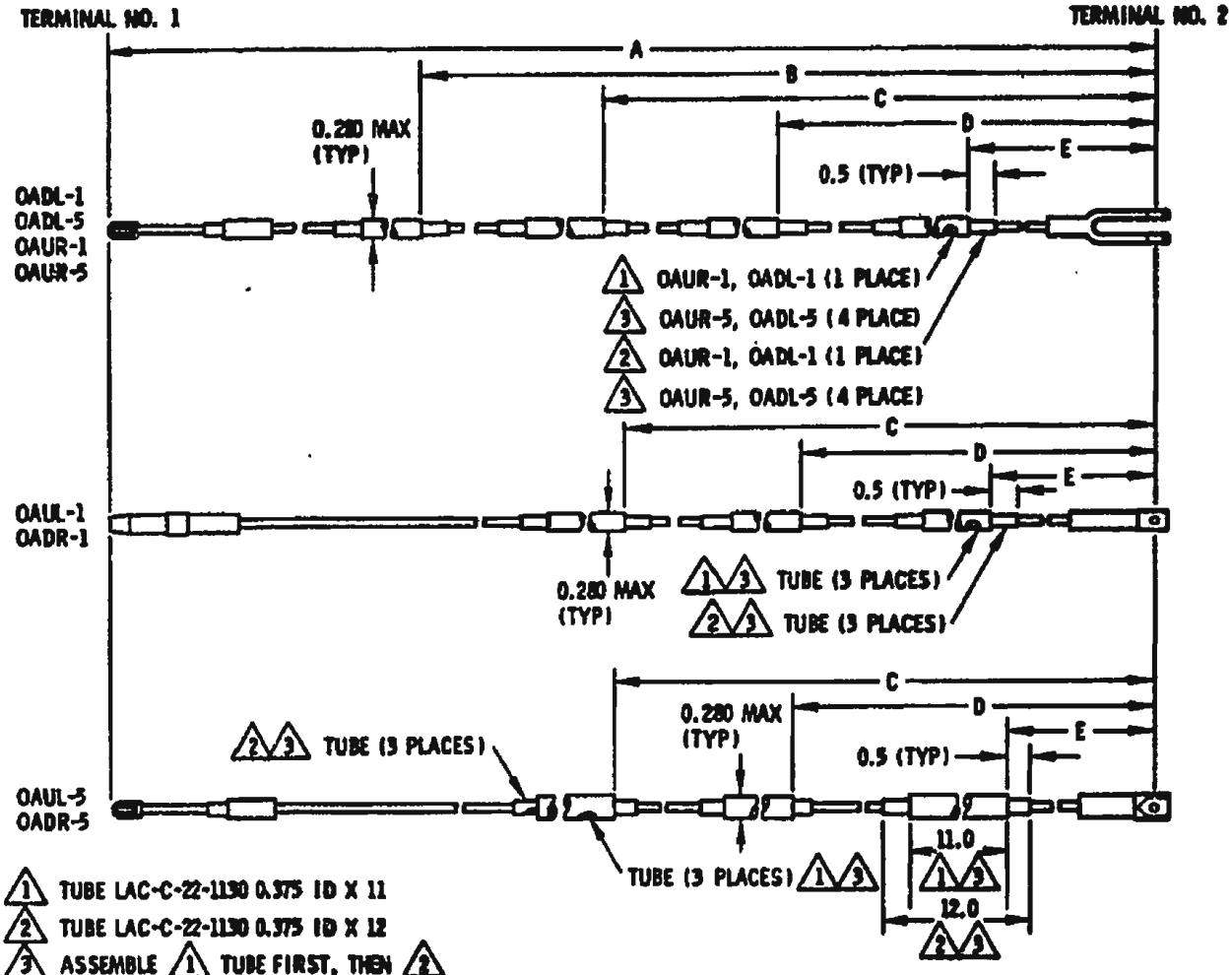
⚠2 NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

M1-0100-91-068

R OADL, OAUL, OADR, OAUR Cable Fabrication Data
R Figure 7

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS					TERMINAL INDEX (5)	TERMINAL FITTINGS	
		DIA	(4) MAT	A	B	C	D	E		NO. 1	NO. 2
OADL-1	1605873-179	1/8	CS-C	88.62 (±0.12)	---	---	---	53.0	90	LS10404L4LH	LS10946B
OADL-5	1605873-121	1/8	CS-C	214.75 (±0.12)	166.2	107.2	59.8	21.7	90	LS10404L4RH	LS10946B
OAUL-1	1605873-125	1/8	CS-C	140.62 (±0.12)	---	102.3	53.0	22.0	0	LS10945-4	LS10967-4A
OAUL-5	1605873-123	1/8	CS-C	156.12 (±0.12)	---	111.5	54.5	7.0	0	LS10404L4RH	LS10966-4A
OADR-1	1605873-129	1/8	CS-C	147.87 (±0.12)	---	101.5	54.3	22.0	0	LS10945-4	LS10967-4A
OADR-5	1605873-127	1/8	CS-C	161.25 (±0.12)	---	112.0	54.0	6.2	0	LS10404L4RH	LS10966-4A
OAUR-1	1605873-115	1/8	CS-C	82.62 (±0.12)	---	---	---	53.0	90	LS10404L4LH	LS10946B
OAUR-5	1605873-117	1/8	CS-C	209.00 (±0.21)	166.2	107.2	59.8	21.7	90	LS10404L4RH	LS10946B



(1) TUBE LAC-C-22-1130 0.375 ID X 11

(2) TUBE LAC-C-22-1130 0.375 ID X 12

(3) ASSEMBLE (1) TUBE FIRST, THEN (2)

(4) MATERIAL CODES

CS - CARBON STEEL (FLEXIBLE) TIN COATED PERFORMED CONFORMING TO MIL-W-83420
CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(5) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

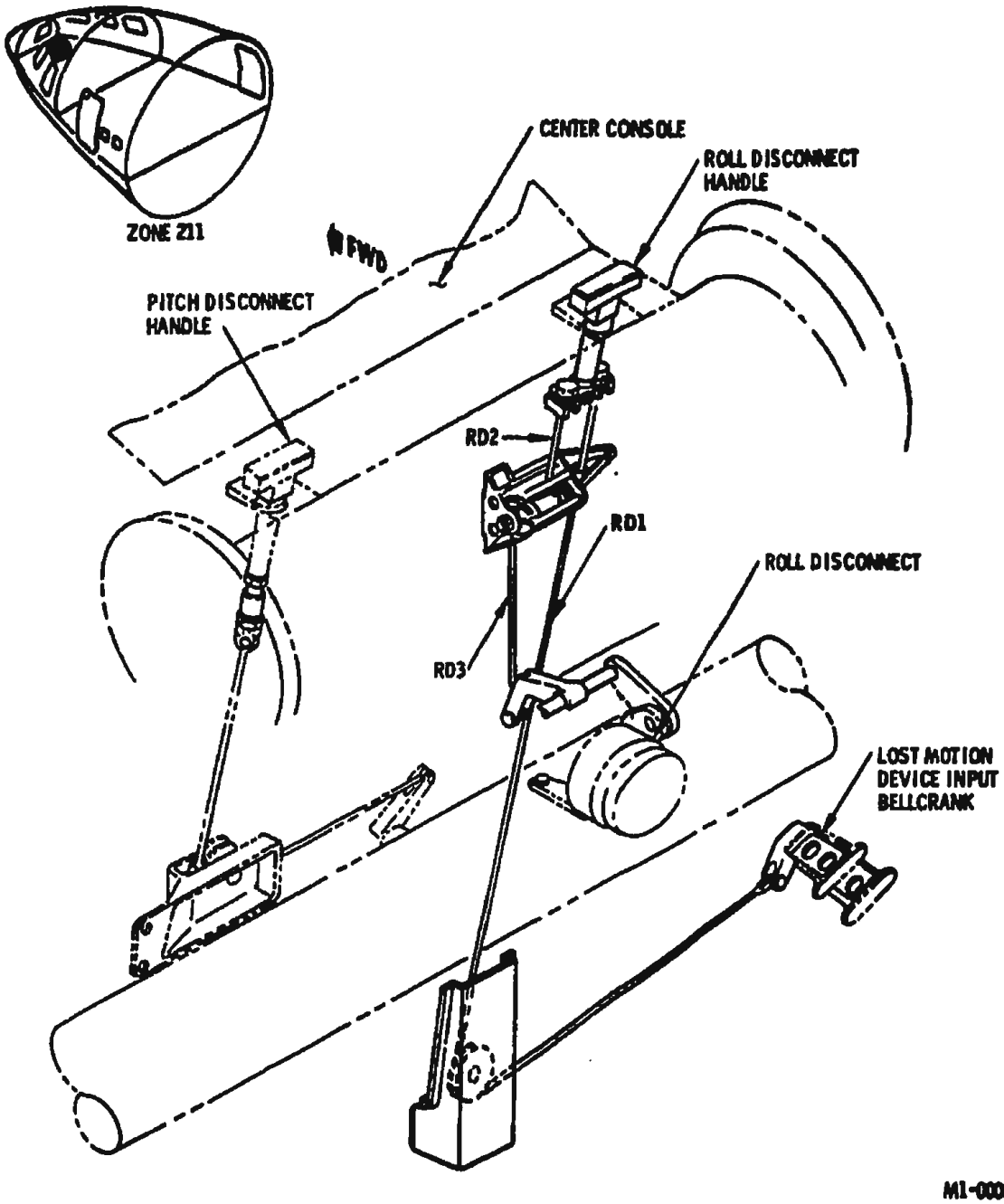
ALL DIMENSIONS ARE IN INCHES

M1-0100-91-069

R OADL, OAUL, OADR, OAUR Cable Fabrication Data
R Figure 7

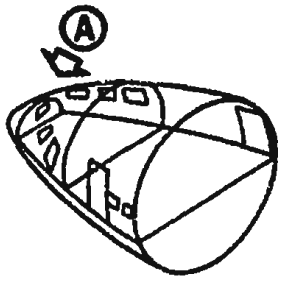
EFFECTIVITY: 001-031 WITH SB27-130

001B

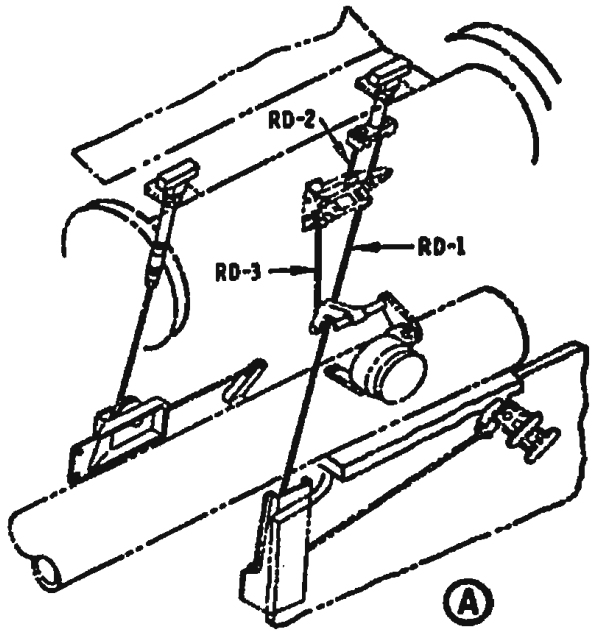


R Roll Disconnect Cables (RD1, RD2, RD3)
R Figure 8

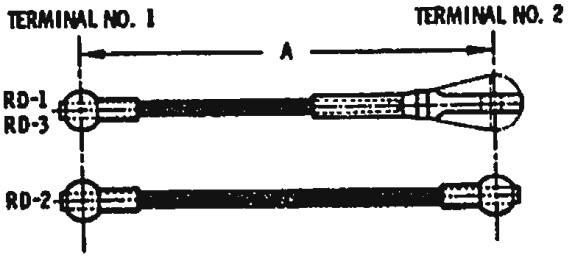
R EFFECTIVITY: ALL
R
001B



ZONE 211



CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			(2) TERM. INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C		NO. 1	NO. 2
RD-1	1505094-109	1/16	CS	51.70 (±.09)	---	---	-	MS20664C2	MS20668-2
RD-2	1505048-105	1/16	CS	4.60 (±.06)	---	---	-	MS20664C2	MS20664C2
RD-3	1505094-111	1/16	CS	8.75 (±.06)	---	---	-	MS20664C2	MS20668-2



NOTE

(1) MATERIAL CODES
- CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-7006

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

M1-0000-91-114

R RD Cable Fabrication Data
R Figure 9

R EFFECTIVITY: ALL
R
001B

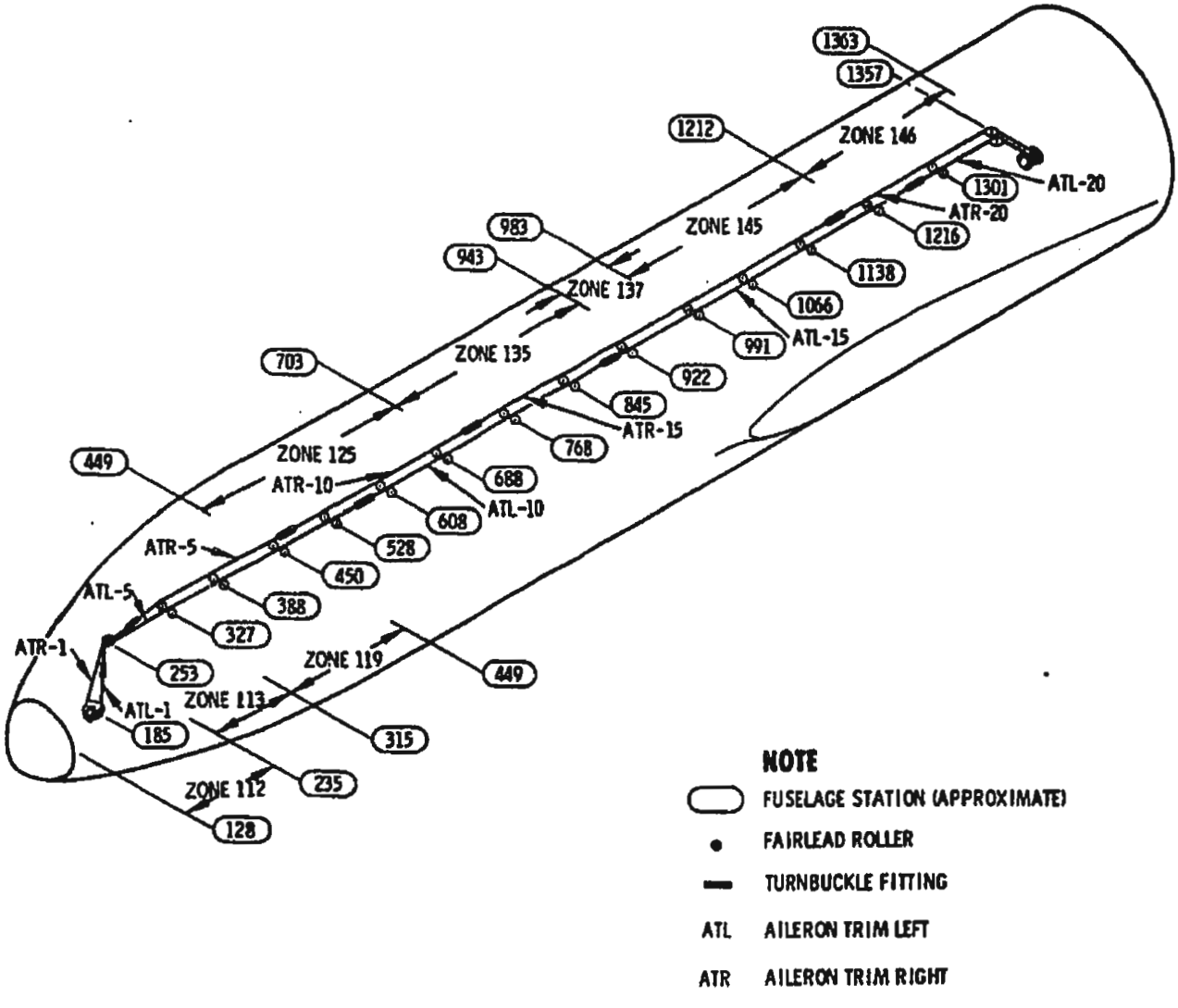
AILERON TRIM CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

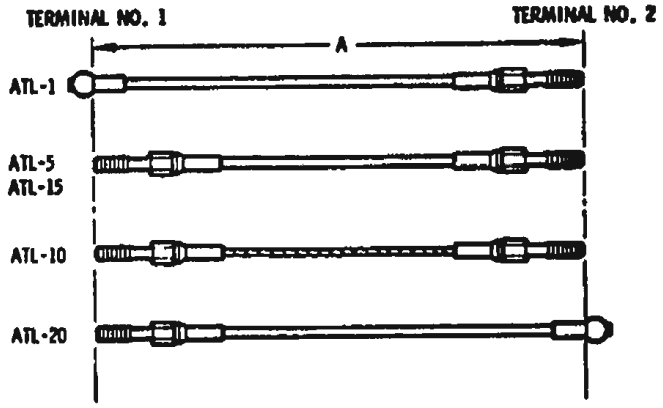
Figure	Title
1	Aileron Trim Cables (ATL, ATR)
2	ATL Cble Fabrication Data
3	ATR Cable Fabrication Data



M1-0001-27-903

R Aileron Trim Cables (ATL, ATR)
R Figure 1

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS	TERMINAL FITTINGS	
		DIA	⚠1 MAT	A	NO. 1	NO. 2
ATL-1	LS13305A611HJ	3/32	CRES	61.12 (±0.12)	MS20664C3	MS21260S3LH
ATL-5	NAS303R463676	3/32	CRES	367.75 (±0.20)	MS21260L3RH	MS21260S3RH
ATL-10	LS13306A2967EF	3/32	CS	296.87 (±0.20)	MS21260L3LH	MS21260L3RH
ATL-15	NAS303R45-3872	3/32	CRES	387.25 (±0.20)	MS21260L3LH	MS21260L3RH
ATL-20	NAS313C15-1650	3/32	CRES	165.00 (±0.12)	MS21260L3LH	MS20664C3



NOTE

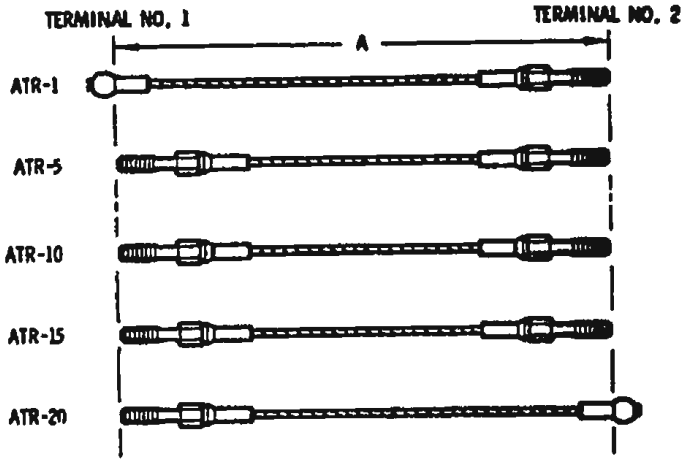
⚠1 MATERIAL CODES
CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

2 ALL DIMENSIONS ARE IN INCHES

M1-0101-91-000

ATL CABLE Fabrication Data
Figure 2

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS	TERMINAL FITTINGS	
		DIA	⚠1 MAT.	A	NO. 1	NO. 2
ATR-1	NAS313C16-1490	3/32	CRES	149.00 (±0.12)	MS20664C3	MS21260-S3RH
ATR-5	NAS303R57-2022	3/32	CRES	202.25 (±0.12)	MS21260-S3LH	MS21260-L3LH
ATR-10	LS13306A2175EF	3/32	CS	217.62 (±0.12)	MS21260-L3RH	MS21260-L3LH
ATR-15	NAS303R45-4547	3/32	CRES	454.87 (±0.20)	MS21260-L3RH	MS21260-L3LH
ATR-20	NAS313C14-2592	3/32	CRES	259.25 (±0.20)	MS21260-L3RH	MS20664C3



NOTE

⚠1 MATERIAL CODES

CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420

CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

2 ALL DIMENSIONS ARE IN INCHES

M1-0101-91-004

ATR CABLE Fabrication Data
Figure 3

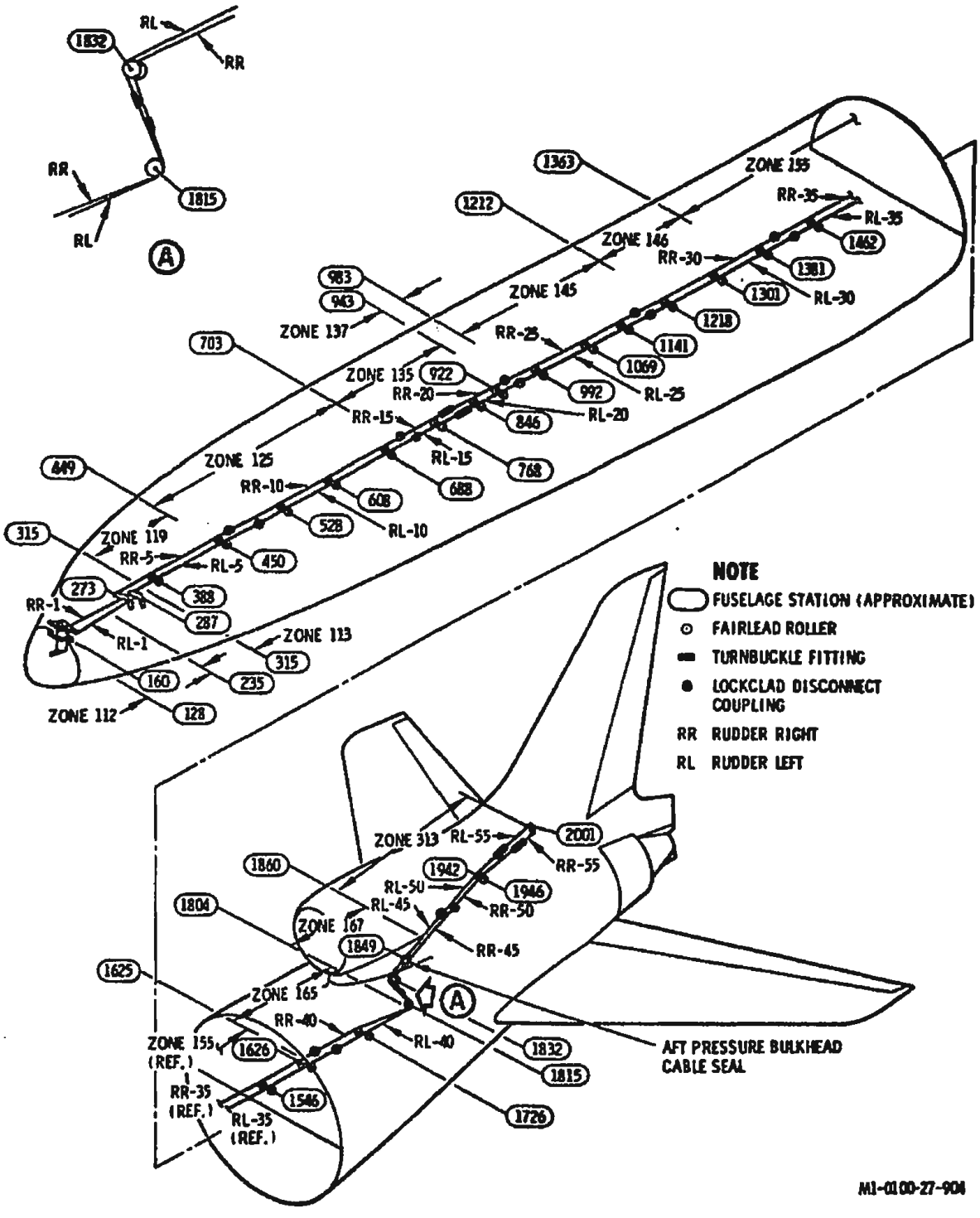
RUDDER CONTROL CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

Figure	Title
1	Rudder Control Cables (RL, RR)
2	RL Cable Fabrication Data
3	RR Cable Fabrication Data

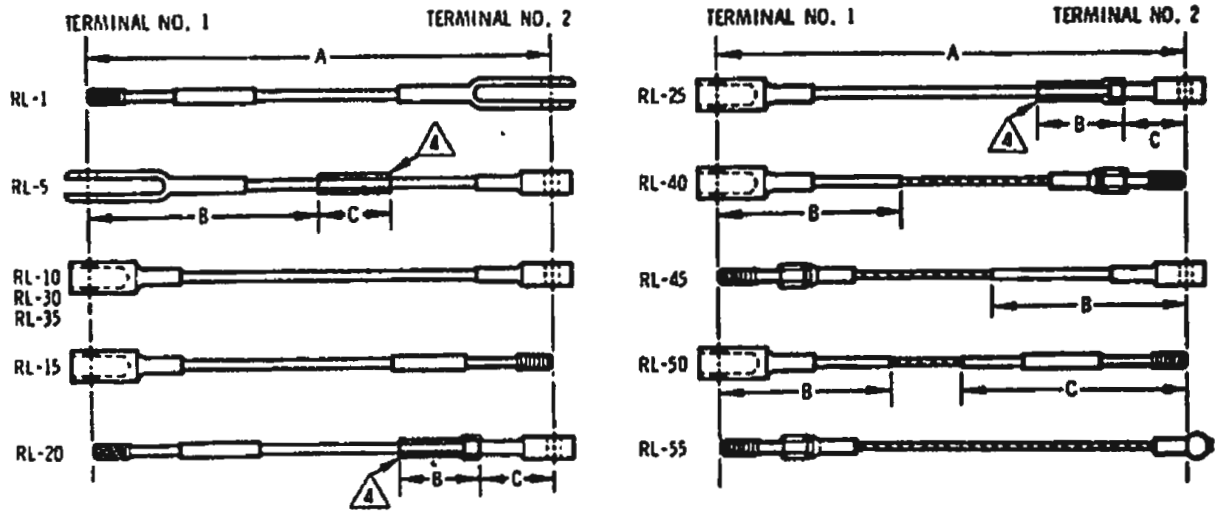


R Rudder Control Cables (RL, RR)
R Figure 1

EFFECTIVITY: ALL

001B

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			⚠2 TERMINAL INDEX	TERMINAL FITTINGS	
		DIA	⚠1 MAT	A	B	C		NO. 1	NO. 2
RL-1	LS10403BJ4K1204	1/8	CS-C	120.50 (±0.12)	---	---	90	LS10404L4LH	LS10946B
RL-5	1551009-107	1/8	CS-C	192.50 (±0.13)	18.00 (±0.25)	33.50 (±0.25)	0	LS10946B	LS10967-4A
RL-10	LS10403FG4A2400	1/8	CS	240.00 (±0.12)	---	---	0	LS10966-4A	LS10967-4A
RL-15	LS10403BF4A1015	1/8	CS	101.62 (±0.12)	---	---	0	LS10966-4A	LS10404L4LH
RL-20	1551006-109	1/8	CS-C	130.50 (±0.13)	62.50 (±0.25)	0.75-1.00	90	LS10404L4RH	LS10967-4A
RL-25	1551007-101	1/8	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	0	LS10966-4A	LS10967-4A
RL-30	LS10403FG4A2400	1/8	CS	240.00 (±0.12)	---	---	0	LS10966A	LS10967-4A
RL-35	LS10403FG4A2400	1/8	CS	240.00 (±0.12)	---	---	0	LS10966-4A	LS10967-4A
RL-40	1542815-101	1/8	CS-C	175.50 (±0.13)	130.88 (±0.13)	---	--	LS10966-4A	MS21260-S4LH
RL-45	1542813-109	1/8	CRES-C	117.25 (±0.13)	83.13 (±0.13)	---	--	MS21260-S4RH	LS10967-4A
RL-50	1542812-101	1/8	CRES-C	167.35 (±0.13)	75.00 (±0.13)	71.38 (±0.06)	--	LS10966-4A	LS10404L4LH
RL-55	1542818-101	1/8	CRES	20.25 (±0.06)	---	---	--	MS21260-L4RH	MS20663C4



NOTE

⚠1 MATERIAL CODES

CS — CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420

CS-C — SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

CRES — CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

CRES-C — SAME AS CRES EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

⚠2 NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT THE FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

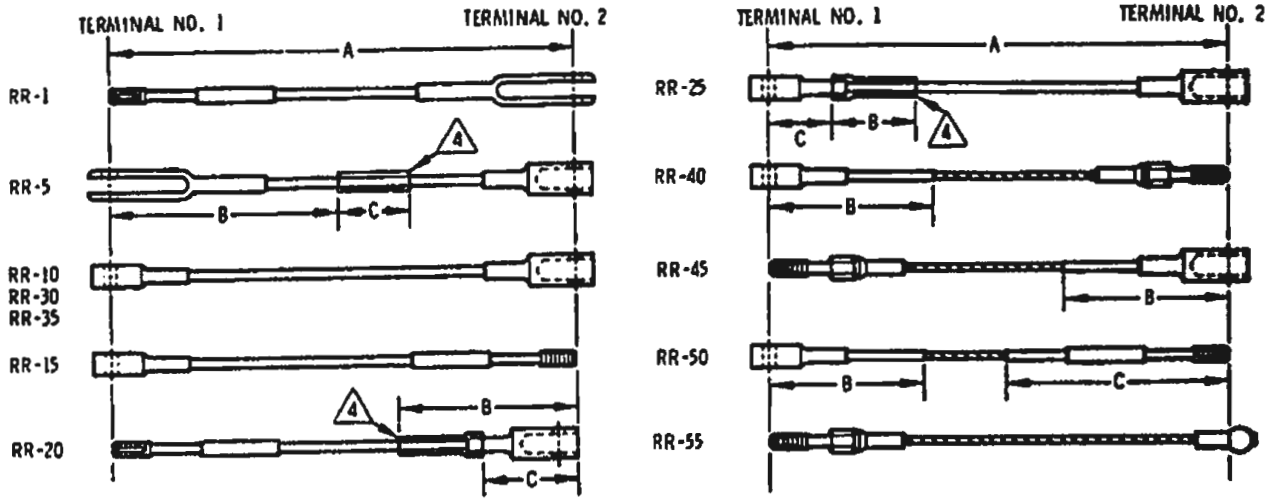
⚠4 HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-0002-91-091

R
R

RL Cable Fabrication Data
Figure 2

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			(2) TERMINAL INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C		NO. 1	NO. 2
RR-1	LS10403AJ4K1066	1/8	CS-C	106.75 (±0.12)	---	---	90	LS10414RH	LS10946B
RR-5	1551009-101	1/8	CS-C	186.00 (±0.13)	32.00 (±0.25)	34.00 (±0.25)	0	LS10946B	LS10966-4A
RR-10	LS10403FG4A2400	1/8	CS	240.00 (±0.12)	---	---	0	LS10967-4A	LS10966-4A
RR-15	LS10403AG4A825	1/8	CS	82.62 (±0.12)	---	---	0	LS10967-4A	LS10404L4RH
RR-20	1551006-101	1/8	CS	150.50 (±0.13)	42.50 (±0.25)	0.75-1.00	90	LS10404L4LH	LS10966-4A
RR-25	1551007-101	1/8	CS-C	240.00 (±0.13)	24.00 (±0.25)	00.75-1.00	0	LS10967-4A	LS10966-4A
RR-30	LS10403FG4A2400	1/8	CS	240.00 (±0.12)	---	---	0	LS10967-4A	LS10966-4A
RR-35	LS10403FG4A2400	1/8	CS	240.00 (±0.12)	---	---	0	LS10967-4A	LS10966-4A
RR-40	1542813-101	1/8	CRES-C	173.75 (±0.13)	150.88 (±0.13)	---	--	LS10967-4A	MS21260-S4RH
RR-45	1542815-109	1/8	CRES-C	168.38 (±0.13)	114.63 (±0.13)	---	--	MS21260-S4LH	LS10966-4A
RR-50	1542817-101	1/8	CRES-C	136.13 (±0.13)	46.38 (±0.06)	68.00 (±0.06)	--	LS10967-4A	LS10404L4RH
RR-55	NAS314C15-210	1/8	CRES	21.00 (±0.12)	---	---	0	MS21260L4LH	MS20664C4



NOTE

(1) MATERIAL CODES

CS — CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420

CS-C — SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

CRES — CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

CRES-C — SAME AS CRES EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT THE FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-0002-91-080

R
R

RR Cable Fabrication Data
Figure 3

EFFECTIVITY: ALL

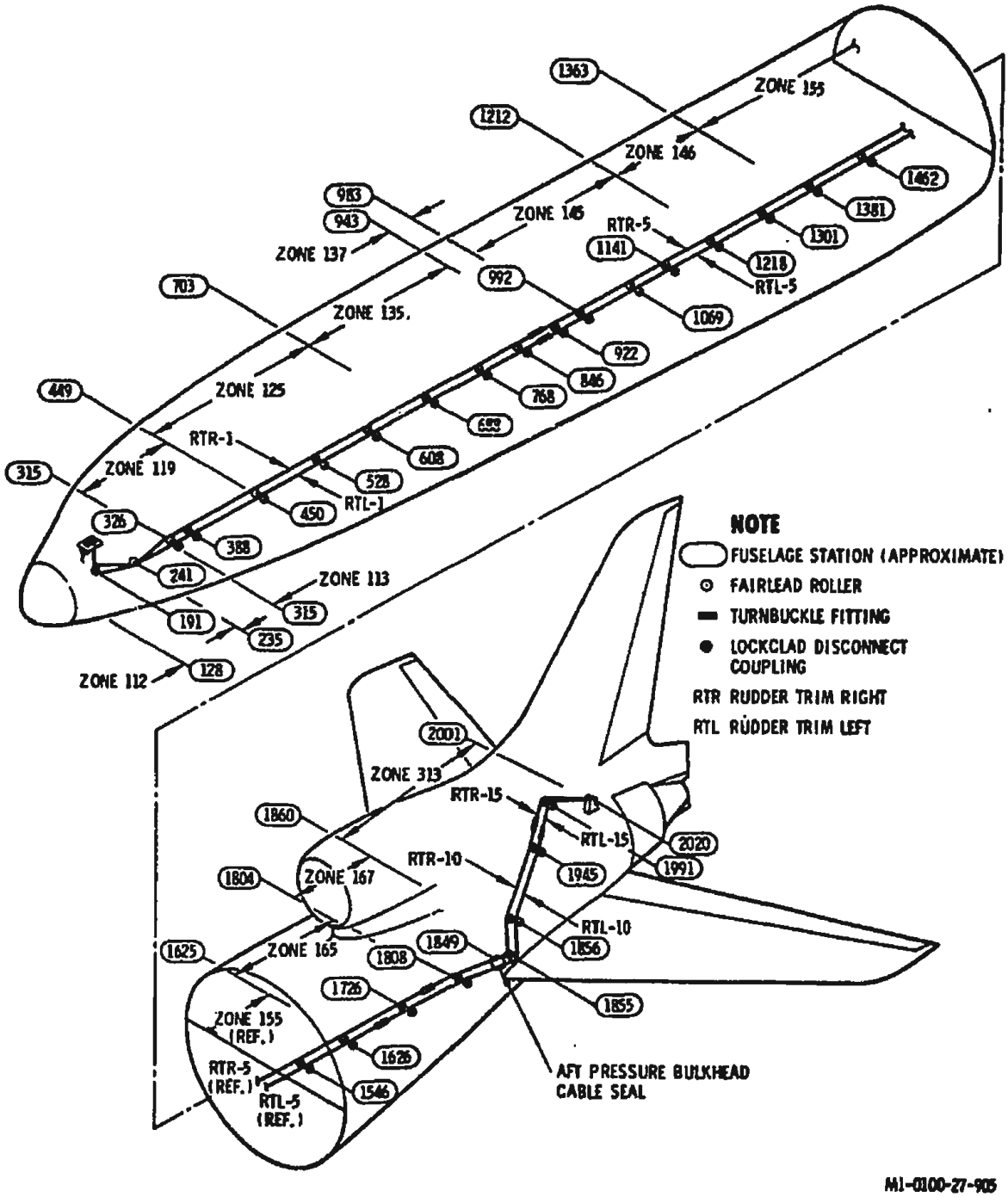
RUDDER TRIM CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

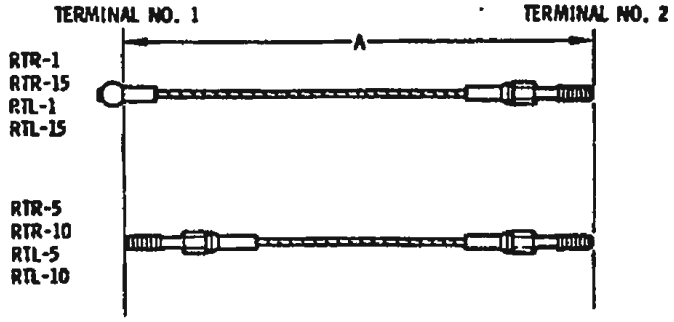
Figure	Title
1	Rudder Trim Cables (RTL, RTR)
2	RT Cable Fabrication Data



M1-0100-27-905

Rudder Trim Cables (RTL, RTR)
Figure 1

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE DIMENSIONS	TERMINAL FITTINGS	
		DIA	⚠1 MATL	A	NO. 1	NO. 2
RTR-1	NAS313C14-6414	3/32	CRES	641.50 (±0.25)	MS20661C3	MS21260-L3RH
RTR-5	NAS303R56-9784	3/32	CRES	987.50 (±0.38)	MS21260-S3RH	MS21260-L3LH
RTR-10	NAS303R47-3183	3/32	CRES	318.37 (±0.20)	MS21260-S3LH	MS21260-L3RH
RTR-15	NAS313C15-903	3/32	CRES	90.37 (±0.12)	MS20664C3	MS21260-L3LH
RTL-1	NAS313C15-7206	3/32	CRES	720.75 (±0.38)	MS20664C3	MS21260-L3LH
RTL-5	NAS303R47-8154	3/32	CRES	815.50 (±0.38)	MS21260-S3LH	MS21260-L3RH
RTL-10	NAS303R56-3811	3/32	CRES	381.12 (±0.20)	MS21260-S3RH	MS21260-L3LH
RTL-15	NAS313C14-1125	3/32	CRES	112.62 (±0.12)	MS20664C3	MS21260-L3RH



NOTE

⚠1 MATERIAL CODE
CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

2 ALL DIMENSIONS ARE IN INCHES

M1-0101-91-053

RT Cable Fabrication Data
Figure 2

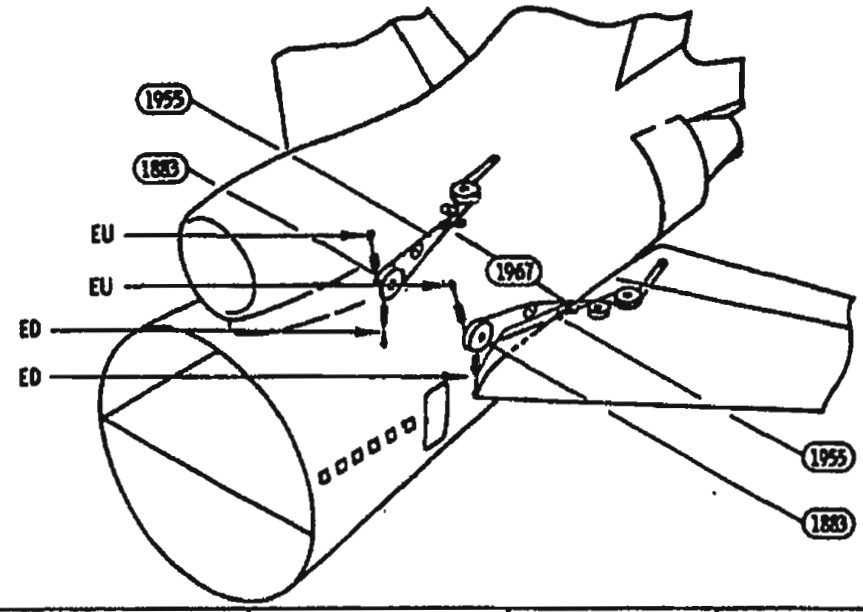
ELEVATOR CONTROL CABLES - DESCRIPTION AND OPERATION

1. General

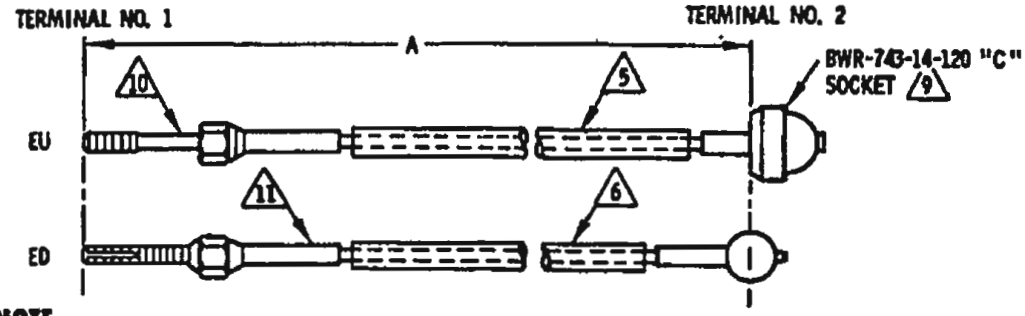
R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

Figure	Title
1	EU and ED Cable Fabrication Data



CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE DIMENSION	TERMINAL FITTING	
		DIA	(1) MAT	(3) A	NO. 1	NO. 2
EU	990-14-306	7/16	6 x 19 CRES	175.00 (±0.25)	MS21260-14R	BWR303-14-012
ED	990-07-237	7/32	7 x 19 CRES	164.43 (±0.25)	BWR-443-07-058	MS20664C7



NOTE

- FUSELAGE STATION
- ⊙ FAIRLEAD ROLLER
- ▬ TURNBUCKLE FITTING
- EU ELEVATOR UP
- ED ELEVATOR DOWN
- (1) MATERIAL CODES CRES-CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420
- 2 ALL DIMENSIONS ARE IN INCHES
- (3) MEASURE LENGTH AT 100 POUNDS TENSION
- 4 CABLES MUST BE PROPERLY LUBRICATED PRIOR TO JACKETING
- (5) 7217 NYLON JACKETING, 0.50 INCH DIAMETER (0.530 MAX)
- (6) 7217 NYLON JACKETING, 0.290 TO 0.312 INCH DIAMETER
- 7 SWAGING PER MIL-T-6117
- 8 PENETRANT INSPECT TERMINAL FITTING AFTER SWAGING PER MIL-I-6866
- (9) BWR-303-14-012 BALL MUST BE PROPERLY SEATED INTO SOCKET OF BWR-743-14-120 "C"
- (10) PROOF LOAD 10,000 POUND PER MIL-C-5688A
- (11) PROOF LOAD 3,000 POUND PER MIL-C-5688A

M1-0101-91-066

R Elevator Cable Fabrication Data
R Figure 1

R EFFECTIVITY: ALL
R
001B

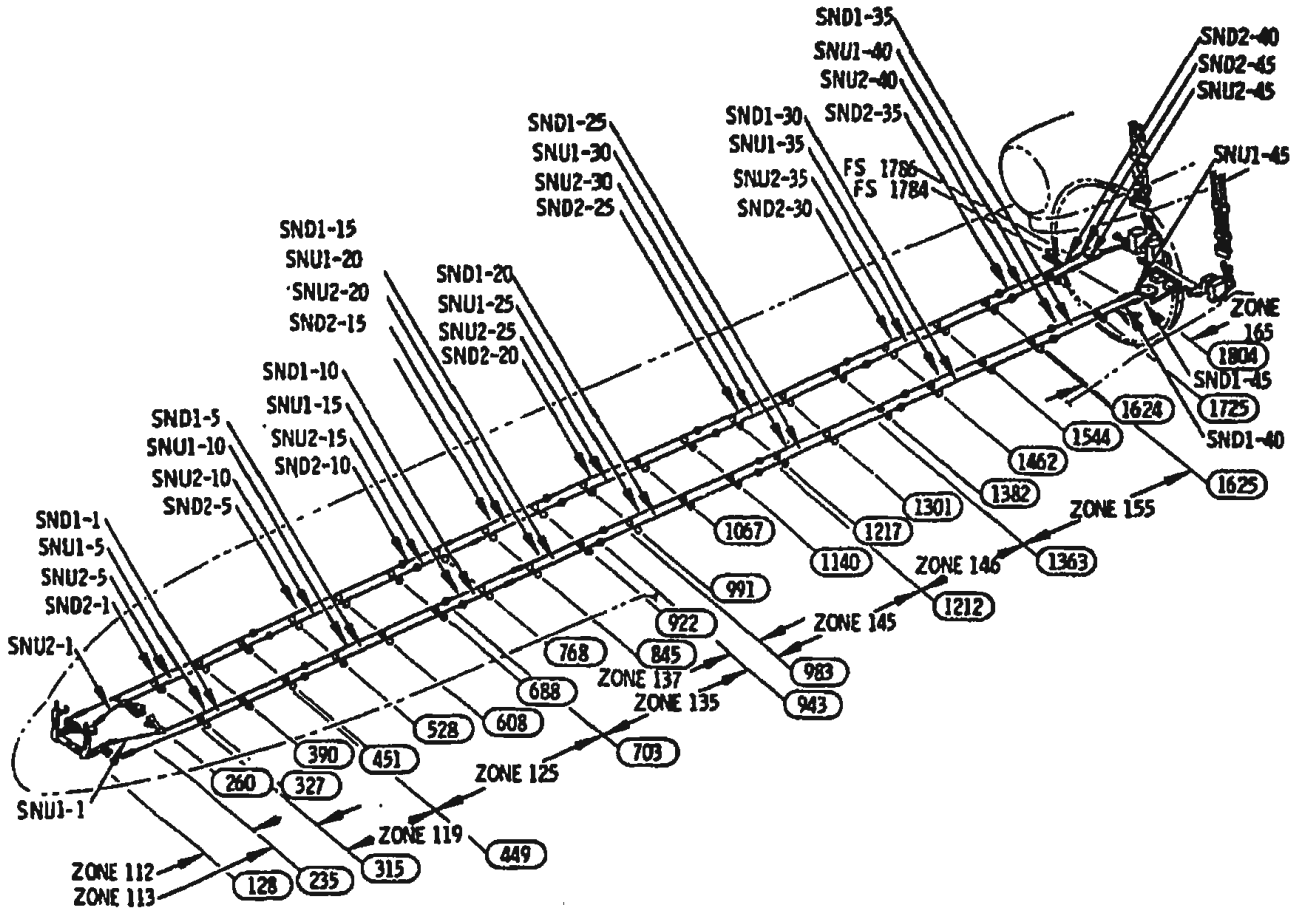
HORIZONTAL STABILIZER CONTROL CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

Figure	Title
1	Horizontal Stabilizer Control Cables (SNU1, SNU2, SND1, SND2)
2	SNU1 Cable Fabrication Data
3	SNU2 Cable Fabrication Data
3	SNU2 Cable Fabrication Data
4	SND1 Cable Fabrication Data
5	SND2 Cable Fabrication Data
6	Pitch Disconnect Cable
7	Pitch Disconnect Cable Fabrication Data
8	Horizontal Stabilizer Servo Functional Interconnect Cable Fabrication Data



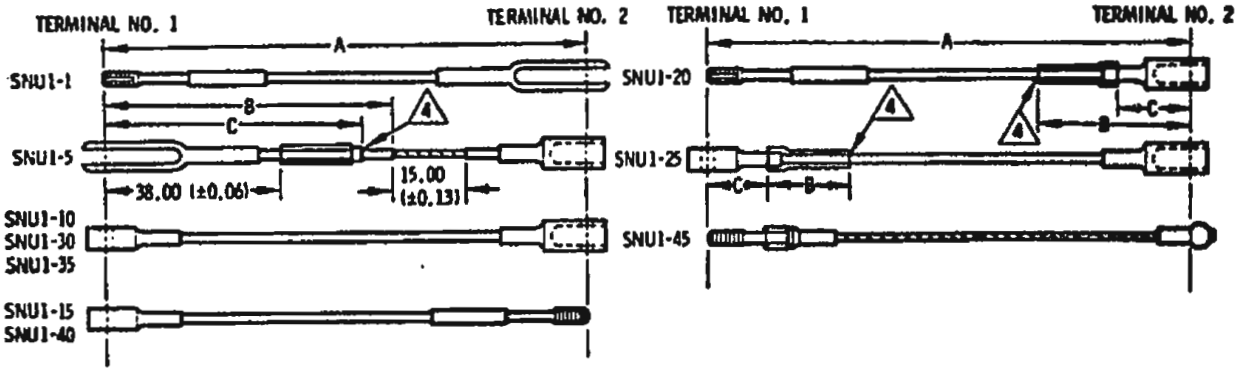
NOTE

⬭	FUSELAGE STATION (APPROXIMATE)
⊙	FAIRLEAD ROLLER
▬	TURNBUCKLE FITTING
•	LOCKCLAD DISCONNECT COUPLING
SNU1	STABILIZER NOSE UP CAPTAIN
SND1	STABILIZER NOSE DOWN CAPTAIN
SNU2	STABILIZER NOSE UP 1ST OFFICER
SND2	STABILIZER NOSE DOWN 1ST OFFICER

M1-0001-27-907

R Horizontal Stabilizer Control Cables (SNU1, SNU2, SND1, SND2)
R Figure 1

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			/2\ TERM. INDEX	TERMINAL FITTINGS	
		DIA.	/1\ MAT.	A	B	C		NO. 1	NO. 2
SNU1-1	LS10403BJ4K554	1/8	CS-C	55.50 (±0.12)	----	----	90	LS10404L4LH	LS10946B
SNU1-5	1535273-105	1/8	CS-C	236.50 (±0.13)	214.00 (±0.13)	88.00 (±0.25)	--	LS10946B	LS10966-4A
SNU1-10	LS10403FG4A2200	1/8	CS-C	220.00 (±0.12)	----	----	0	LS10967-4A	LS10966-4A
SNU1-15	LS10403AG4A1234	1/8	CS-C	123.50 (±0.12)	----	----	0	LS10967-4A	LS10404L4RH
SNU1-20	1551006-103	1/8	CS-C	129.00 (±0.13)	67.25 (±0.25)	0.75-1.00	--	LS10404L4LH	LS10966-4A
SNU1-25	1551007-101	1/8	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	--	LS10967-4A	LS10966-4A
SNU1-30	LS10403FG4A2400	1/8	CS-C	240.00 (±0.12)	----	----	0	LS10967-4A	LS10966-4A
SNU1-35	LS10403FG4A2400	1/8	CS-C	240.00 (±0.12)	----	----	0	LS10967-4A	LS10966-4A
SNU1-40	LS10403AG4A1116	1/8	CS-C	111.75 (±0.12)	----	----	0	LS10967-4A	LS10404L4RH
SNU1-45	1542818-111	1/8	CRES	18.18 (±0.06)	----	----	--	MS21260-L4LH	MS20663C4



NOTE

/1\ MATERIAL CODES
CS CARBON STEEL (FLEXIBLE) TIN COATED, PREFORMED CONFORMING TO MIL-W-83420
CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
CRES CRES CABLE (FLEXIBLE) PREFORMED CONFORMING TO MIL-C-5424

/2\ NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND HOLE OR LOCKING GROOVE AT THE NEAR END

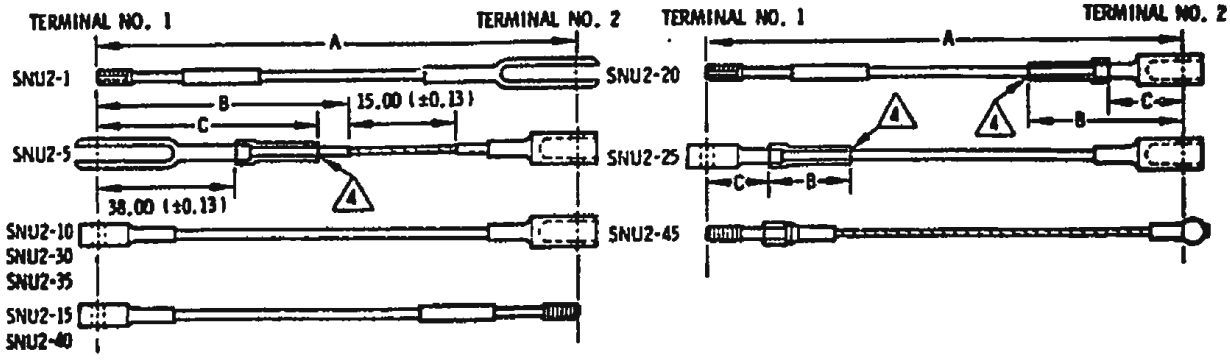
3 ALL DIMENSIONS ARE IN INCHES

/4\ HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-0301-91-042

SNUI Cable Fabrication Data
Figure 2

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			(2) TERM. INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C		NO. 1	NO. 2
SNU2-1	LS10403BJ4K554	1/8	CS-C	55.50 (±0.12)	----	----	90	LS10404L4LH	LS10946B
SNU2-5	1535273-101	1/8	CS-C	219.00 (±0.13)	199.00 (±0.13)	88.00 (±0.25)	--	LS10946B	LS10946-4A
SNU2-10	LS10403FG4A2200	1/8	CS-C	220.00 (±0.12)	----	----	0	LS10967-4A	LS10946-4A
SNU2-15	LS10403AG4A1234	1/8	CS-C	123.50 (±0.12)	----	----	0	LS10967-4A	LS10404L4RH
SNU2-20	1551006-103	1/8	CS-C	129.00 (±0.13)	67.25 (±0.25)	0.75-1.00	--	LS10404L4LH	LS10946-4A
SNU2-25	1551007-101	1/8	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	--	LS10967-4A	LS10946-4A
SNU2-30	LS10403FG4A2400	1/8	CS-C	240.00 (±0.12)	----	----	0	LS10967-4A	LS10946-4A
SNU2-35	LS10403FG4A2400	1/8	CS-C	240.00 (±0.12)	----	----	0	LS10967-4A	LS10946-4A
SNU2-40	LS10403AG4A1116	1/8	CS-C	111.75 (±0.12)	----	----	0	LS10967-4A	LS10404L4RH
SNU2-45	NAS314C15-192	1/8	CRES	19.25 (±0.12)	----	----	--	MS21260L4LH	MS24660C4



NOTE

(1) MATERIAL CODES
CS - CARBON STEEL (FLEXIBLE) TIN COATED, PREFORMED CONFORMING TO MIL-W-83420
CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
CRES CRES CABLE (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-0901-91-044

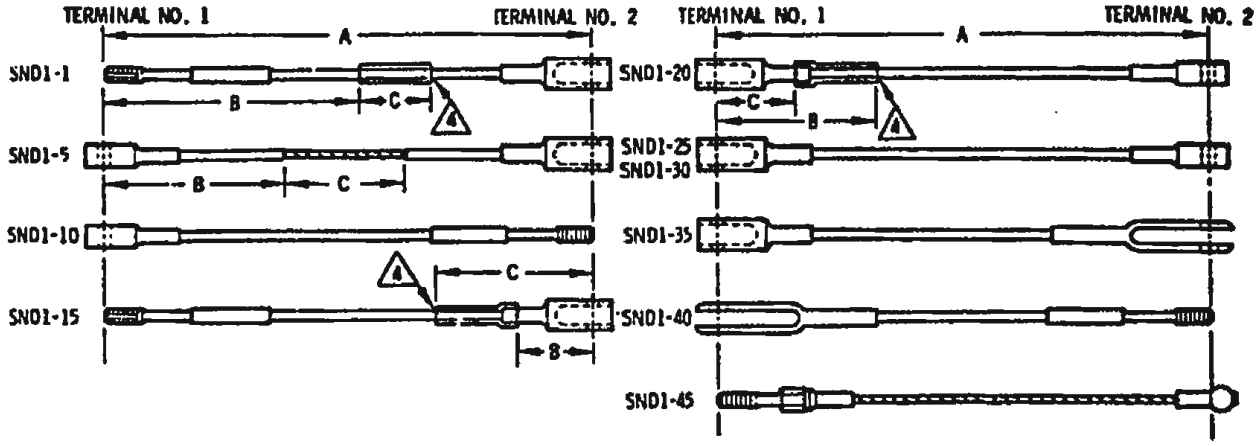
R
R

SNU2 Cable Fabrication Data
Figure 3

R
R
001B

EFFECTIVITY: ALL

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			(2) TERM. INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C		NO. 1	NO. 2
SND1-1	1551006-113	1/8	CS	257.62 (±0.13)	20.62 (±0.25)	126.00 (±0.25)	-	LS10404L4RH	LS10966-4A
SND1-5	1535272-105	1/8	CS-C	260.50 (±0.13)	15.50 (±0.06)	15.00 (±0.06)	-	LS10967-4A	LS10966-4A
SND1-10	LS10403BG4A760	1/8	CS-C	76.00 (±0.12)	----	----	0	LS10967-4A	LS10404L4LH
SND1-15	1551006-111	1/8	CS-C	137.75 (±0.13)	47.32 (±0.25)	0.75-1.00	-	LS10404L4RH	LS10967-4A
SND1-20	1551007-103	1/8	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	-	LS10966-4A	LS10967-4A
SND1-25	LS10403FG4A2400	1/8	CS-C	240.00 (±0.12)	----	----	0	LS10966-4A	LS10967-4A
SND1-30	LS10403FG4A2400	1/8	CS-C	240.00 (±0.12)	----	----	0	LS10966-4A	LS10967-4A
SND1-35	LS10403FJ4A783	1/6	CS-C	78.30 (±0.12)	----	----	0	LS10966-4A	LS10946B
SND1-40	LS10403BJ4A500	1/8	CS-C	50.00 (±0.12)	----	----	0	LS10946-B	LS10404L4LH
SND1-45	NAS314C14-204	1/8	CRES	20.50 (±0.12)	----	----	-	MS21260L4RH	MS20664C4



NOTE

(1) MATERIAL CODES
CS - CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
CRES CABLE, FLEXIBLE, PREFORMED CONFORMING TO MIL-W-83420

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

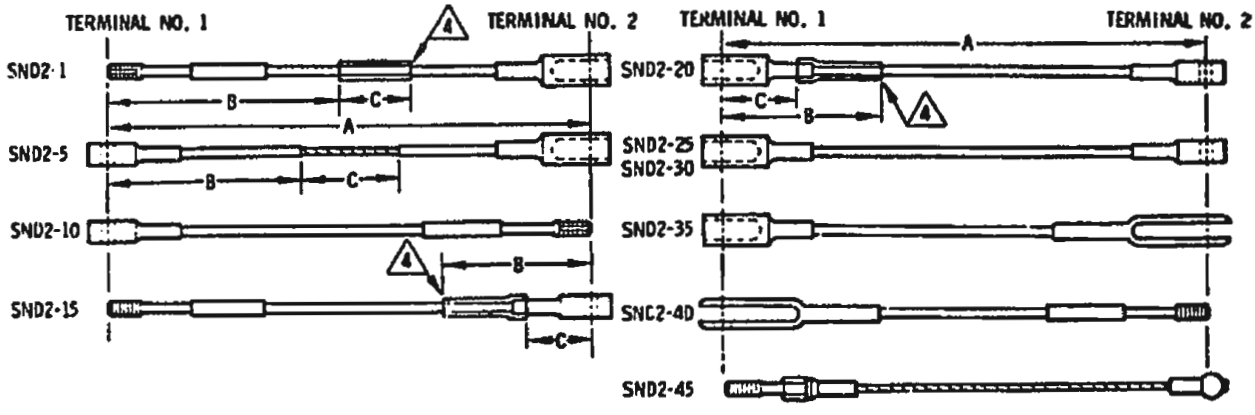
(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-0302-91-0*1

R R SND1 Cable Fabrication Data
Figure 4

R R 001B EFFECTIVITY: ALL

CABLE CODE	CABLE ASSEMBLY PART NUMBER	DIA	⚠1 MAT	CABLE ASSEMBLY DIMENSIONS A	B	C	⚠2 TERM. INDEX	TERMINAL FITTINGS NO. 1	NO. 2
SND2-1	1551006-113	1/8	CS-C	257.62 (±0.13)	20.62 (±0.25)	126.00 (±0.25)	-	LS10404L4RH	LS10966-4A
SND2-5	1535272-101	1/8	CS-C	260.50 (±0.13)	2.12 (±0.06)	15.00 (±0.06)	-	LS10967-4A	LS10966-4A
SND2-10	LS10403HG4A760	1/8	CS-C	76.00 (±0.12)	----	----	0	LS10967-4A	LS10404L4LH
SND2-15	1551006-111	1/8	CS-C	137.75 (±0.13)	47.32 (±0.25)	0.75-1.00	-	LS10404L4RH	LS10967-4A
SND2-20	1551007-103	1/8	CS-C	240.00 (±0.13)	24.00 (±0.25)	0.75-1.00	0	LS10966-4A	LS10967-4A
SND2-25	LS10403FG4A2400	1/8	CS-C	240.00 (±0.12)	----	----	0	LS10966-4A	LS10967-4A
SND2-30	LS10403FG4A2400	1/8	CS-C	240.00 (±0.12)	----	----	0	LS10966-4A	LS10967-4A
SND2-35	LS10403FJ4A783	1/8	CS-C	78.30 (±0.12)	----	----	0	LS10966-4A	LS10946B
SND2-40	LS10403BJ4A500	1/8	CS-C	50.00 (±0.12)	----	----	0	LS10946B	LS10404L4LH
SND2-45	1542818-103	1/8	CS	20.50 (±0.06)	----	----	-	MS21260L4RH	MS20663C4



NOTE

⚠1 MATERIAL CODES
CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
CRES CABLE, FLEXIBLE, PREFORMED CONFORMING TO MIL-W-83420

⚠2 NUMBER INDICATES ANGLE (IN DEGREE) OR CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT NEAR END

3 ALL DIMENSIONS ARE IN INCHES

⚠4 HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-0301-91-003

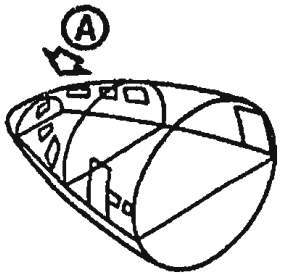
R
R

SND2 Cable Fabrication Data
Figure 5

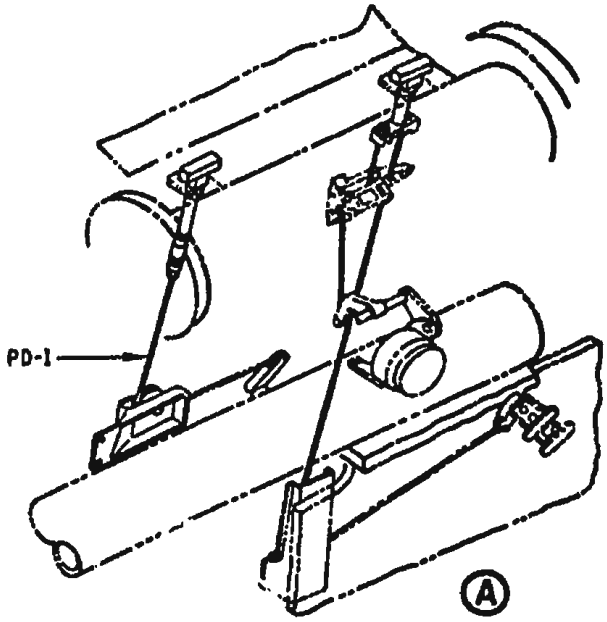
R
R
R
001B

EFFECTIVITY: ALL

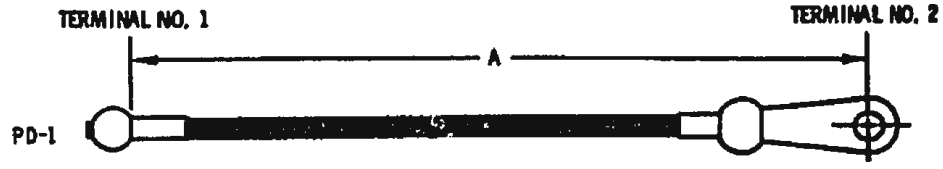
INTENTIONALLY LEFT BLANK



ZONE 211



CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			(2) TERM. INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C		NO. 1	NO. 2
PD-1	NAS322C13-173	1/16	CRES	17.30 (±.12)	---	---	-	MS20664C 2	NAS1435E(2)



NOTE

(1) MATERIAL CODES
- CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CS-C SAME AS CS EXCEPT WTIH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-7006

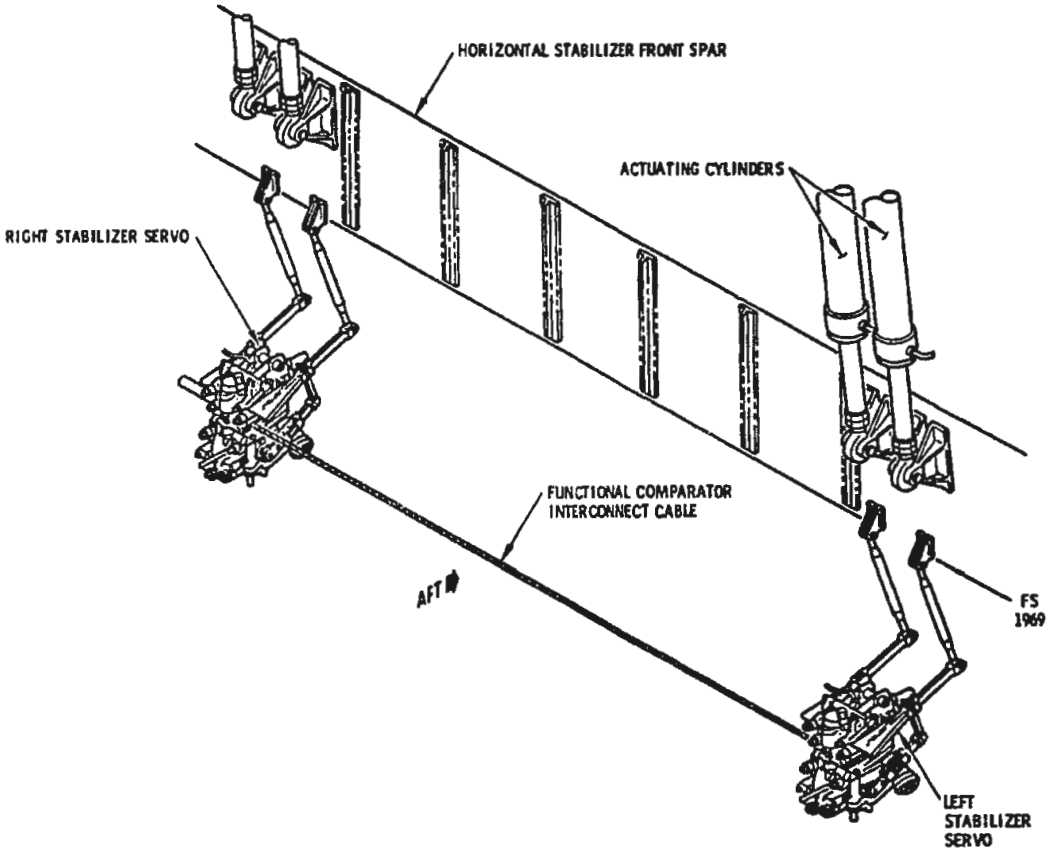
(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

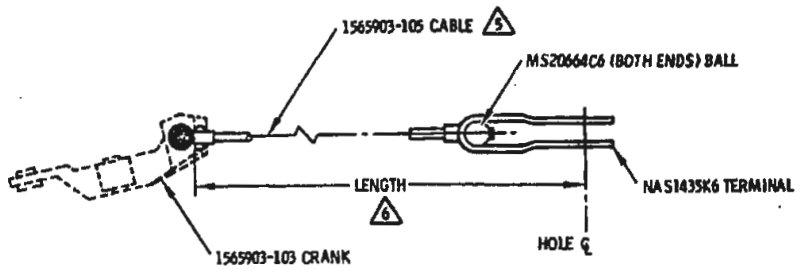
M1-0000-91-113

R PDI Cable Fabrication Data
R Figure 7

R EFFECTIVITY: ALL
R
001B



IDLER CRANK ASSEMBLY PART NUMBER	CABLE (5)		(6) CABLE ASSEMBLY (BALL END, CABLE, TERMINAL) LENGTH
	DIA	(1) MAT	
1565903-101	3/16"	7 X 19 CRES	96.56 TO 96.44



IDLER CRANK ASSEMBLY
(1565903-101)

NOTE:

(1) MATERIAL CODE CRES - CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

2 ASSEMBLY MUST BE ACCOMPLISHED AS FOLLOWS:

- PRE-STRETCH CABLE PER NOTE 5
- THREAD CABLE THROUGH TERMINAL
- SWAGE ON BALL END PER NOTE 3, AND SEAT BALL IN TERMINAL
- THREAD CABLE THROUGH CRANK
- MEASURE CABLE ASSEMBLY TO PROPER LENGTH (6)
- SWAGE ON BALL END PER NOTE 3, AND SEAT BALL END IN CRANK

3 SWAGING PER MIL-T-6127

4 PENETRANT INSPECT TERMINAL FITTINGS AFTER SWAGING PER MIL-I-6866

(5) STRETCH CABLE WITH PROOF LOAD OF 2110 TO 2330 POUNDS PER MIL-C-5688A PRIOR TO ASSEMBLY

(6) MEASURE CABLE ASSEMBLY LENGTH WITH 95 TO 105 POUNDS TENSION APPLIED

7 COAT CABLE WITH CORROSION PREVENTATIVE COMPOUND GRADE II PER MIL-C-16173

M1-0000-91-115

R Horizontal Stabilizer Servo Functional Comparator Interconnect
R Cable Fabrication Data
R Figure 8

R EFFECTIVITY: ALL
R
0018

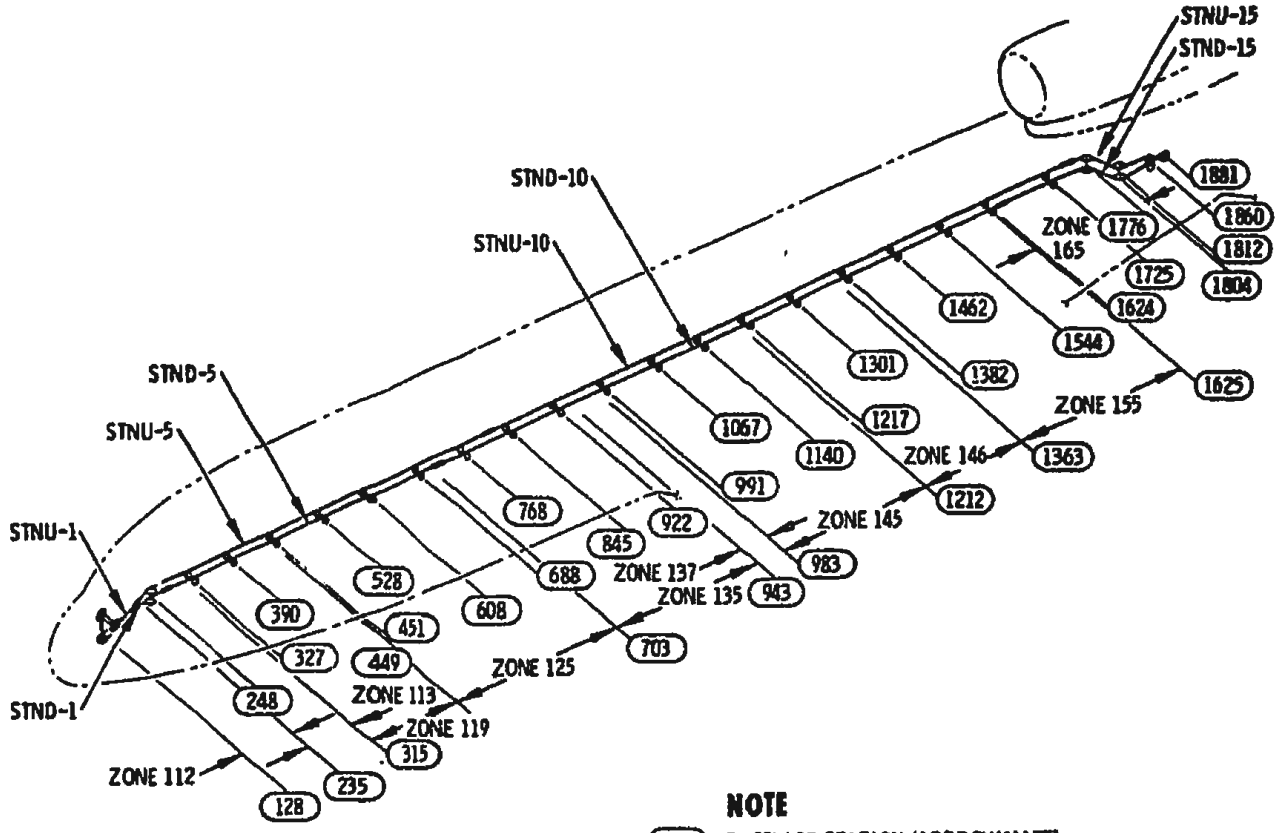
HORIZONTAL STABILIZER TRIM CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

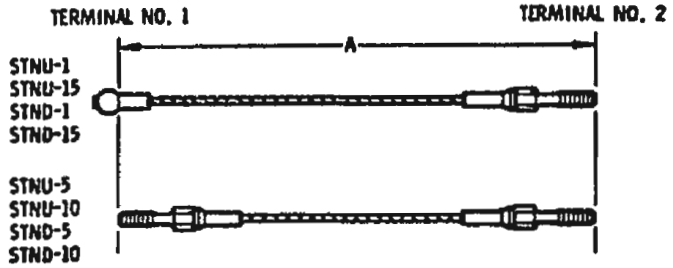
Figure	Title
1	Horizontal Stabilizer Trim Cables (STNU, STND)
2	ST Cable Fabrication Data



M1-0001-27-908

R Horizontal Stabilizer Trim Cables (STNU, STND)
R Figure 1

CABLE CODE	CABLE ASSEMBLY NUMBER	CABLE		DIMENSION (INCHES)	TERMINAL FITTINGS	
		DIA	⚠1 MATL	A	NO. 1	NO. 2
STNU-1	LS13305A-702EJ	3/32	CS	70.25 (±0.06)	MS20664C3	MS21260L3RH
STNU-5	NAS303R45-5853	3/32	CRES	585.37 (±0.25)	MS21260L3LH	MS21260L3RH
STNU-10	LS13306A9386FF	3/32	CS	938.75 (±0.38)	MS21260L3LH	MS21260L3LH
STNU-15	NAS313C14-1793	3/32	CRES	179.37 (±0.12)	MS21260L3RH	MS20664C3
STND-1	NAS313C14-1481	3/32	CRES	148.12 (±0.12)	MS20664C3	MS21260L3RH
STND-5	NAS303R45-4464	3/32	CRES	446.50 (±0.20)	MS21260L3LH	MS21260L3LH
STND-10	LS13306A9236FF	3/32	CRES	923.75 (±0.38)	MS21260L3LH	MS21260L3LH
STND-15	NAS313C14-2563	3/32	CRES	256.37 (±0.20)	MS21260L3RH	MS20664C3



NOTE

⚠1 MATERIAL CODES
CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

2 ALL DIMENSIONS IN INCHES

M1-0101-91-054

ST Cable Fabrication Data
Figure 2

R

EFFECTIVITY: ALL

001B

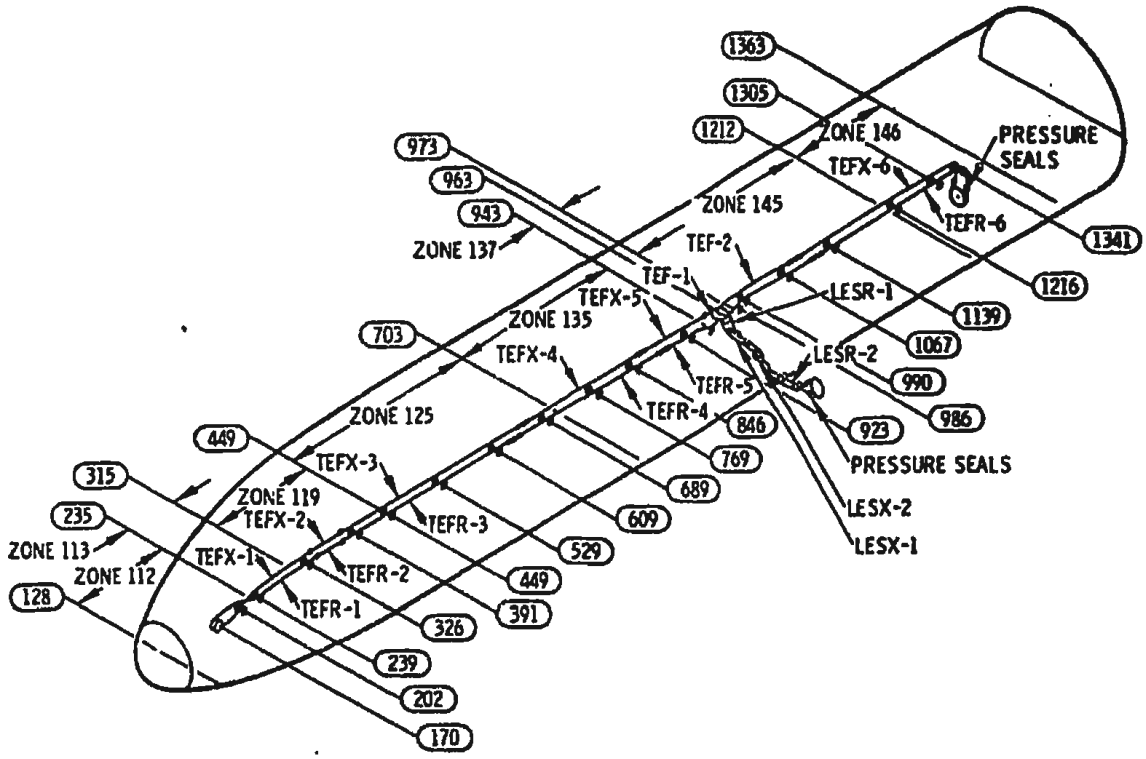
FLAP/SLAT CONTROL CABLES - DESCRIPTION AND OPERATION

1. General

NOTE: "Cable assemblies must meet the swaging, proof load and other applicable requirements of Lockheed Corporate Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03".

This section provides the following illustrated information:

Figure	Title
1	Flap/Slat Control Cables (TEF, TEFX, TEFR, LESX, LESR)
2	TEF Cable Fabrication Data
3	LES Cable Fabrication Data



NOTE

- ⬭ FUSELAGE STATION (APPROXIMATE)
- • FAIRLEAD ROLLER
- — TURNBUCKLE FITTING
- • CABLE DISCONNECT

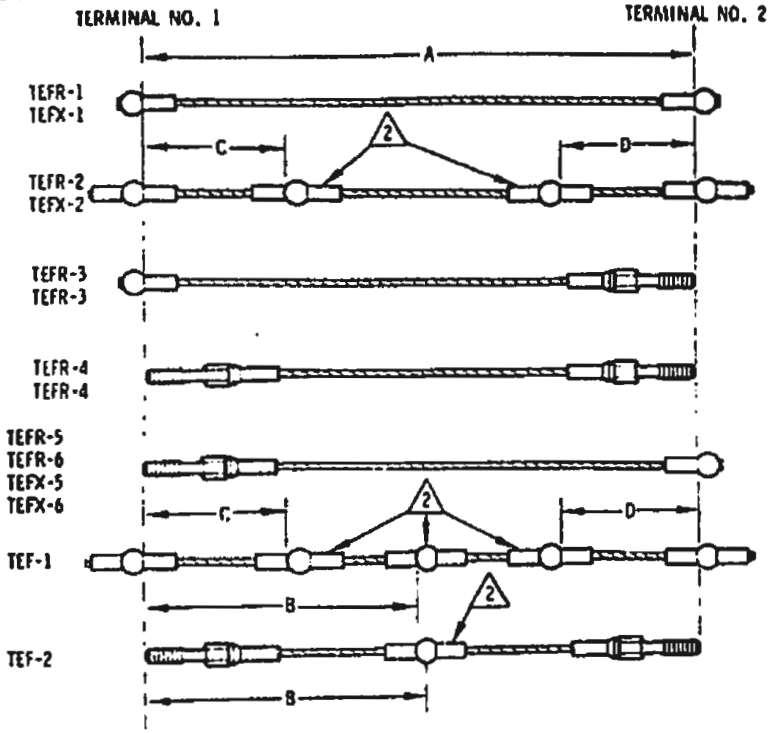
TEF TRAILING EDGE FLAP
TEFX TRAILING EDGE FLAP EXTEND
TEFR TRAILING EDGE FLAP RETRACT
LESX LEADING EDGE SLAT EXTEND
LESR LEADING EDGE SLAT RETRACT

M1-0101-27-906

R Flap/Slat Control Cables (TEF, TEFX, TEFR, LESX, LESR)
R Figure 1

EFFECTIVITY: ALL

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS				TERMINAL FITTINGS	
		DIA	/1\ MAT	A	B	C	D	NO. 1	NO. 2
TEFR-1	LS13305A-1460JJ	3/32	CS	146.00 (±0.12)	----	----	----	MS20664C3	MS20664C3
TEFR-2	1555031-107	3/32	CRES	53.00 (±0.12)	----	1.19 (±0.03)	1.19 (±0.03)	MS20664C3	MS20664C3
TEFR-3	LS13305A-2580EJ	3/32	CS	258.00 (±0.20)	----	----	----	MS20664C3	MS21260L3RH
TEFR-4	NAS303R55-2984	3/32	CRES	298.50 (±0.20)	----	----	----	MS21260L3LH	MS21260L3LH
TEFR-5	NAS313C14-382	3/32	CS	38.50 (±0.12)	----	----	----	MS21260L3LH	MS20664C3
TEFR-6	NAS313C15-3547	3/32	CS	354.87 (±0.20)	----	----	----	MS21260L3LH	MS20664C3
TEFX-1	LS13305A-1307JJ	3/32	CS	130.87 (±0.12)	----	----	----	MS20664C3	MS20664C3
TEFX-2	1555031-105	3/32	CRES	47.00 (±0.12)	----	1.19 (±0.03)	1.19 (±0.03)	MS20664C3	MS20664C3
TEFX-3	LS13305A-2562FJ	3/32	CS	256.25 (±0.20)	----	----	----	MS20664C3	MS21260L3LH
TEFX-4	NAS303R44-2573	3/32	CRES	257.37 (±0.20)	----	----	----	MS21260L3RH	MS21260L3RH
TEFX-5	NAS313C15-913	3/32	CS	91.37 (±0.12)	----	----	----	MS20664C3	MS21260L3LH
TEFX-6	NAS313C14-3003	3/32	CS	300.37 (±0.20)	----	----	----	MS20664C3	MS21260L3LH
TEF1	1555031-113	3/32	CS	38.88 (±0.12)	19.31 (±0.12)	1.19 (±0.03)	1.19 (±0.03)	MS21260L3RH	MS21260L3RH
TEF2	1543717-113	3/32	CS	120.85 (±0.13)	87.65 (±0.13)	----	----	MS21260L3LH	MS21260L3RH



NOTE

1. MATERIAL CODES
   - CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED ACCORDING TO MIL-W-83420
   - CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

2. MS20663C3 BALL END. WHEN THIS BALL IS LOCATED 1.19 ±0.03 INCHES FROM A MS20664C3 BALL AT THE END OF A CABLE, IT IS NOT REQUIRED ON A CABLE ASSEMBLY TO BE USED ON A TWA AIRCRAFT.

3. ALL DIMENSIONS ARE IN INCHES

M1-0000-91--134

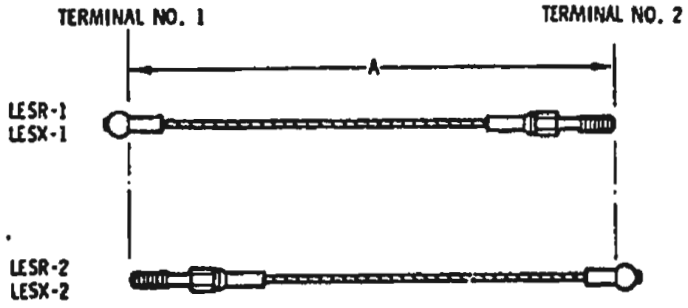
CR
CR

TEF Cable Fabrication Data
Figure 2

EFFECTIVITY: ALL

001B

CODE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS (INCHES)	TERMINAL FITTINGS	
		DIA.	⚠1 MAT	A	NO. 1	NO. 2
LESR-1	LS13305A694EJ	3/32	CS	69.50 (±0.06)	MS20664C3	MS21260L3RH
LESR-2	NAS313C15-783	3/32	CS	78.37 (±0.12)	MS21260-L3LH	MS20664C3
LESX-1	LS13305A-431FJ	3/32	CS	43.12 (±0.06)	MS20664C3	MS21260L3LH
LESX-2	NAS313C14-1051	3/32	CS	105.12 (±0.12)	MS21260L3RH	MS20664C3



NOTE

⚠1 MATERIAL CODE
CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420

2 ALL DIMENSIONS ARE IN INCHES

MI-0301-91-063

R R LES Cable Fabrication Data
Figure 3

R R 001B EFFECTIVITY: ALL

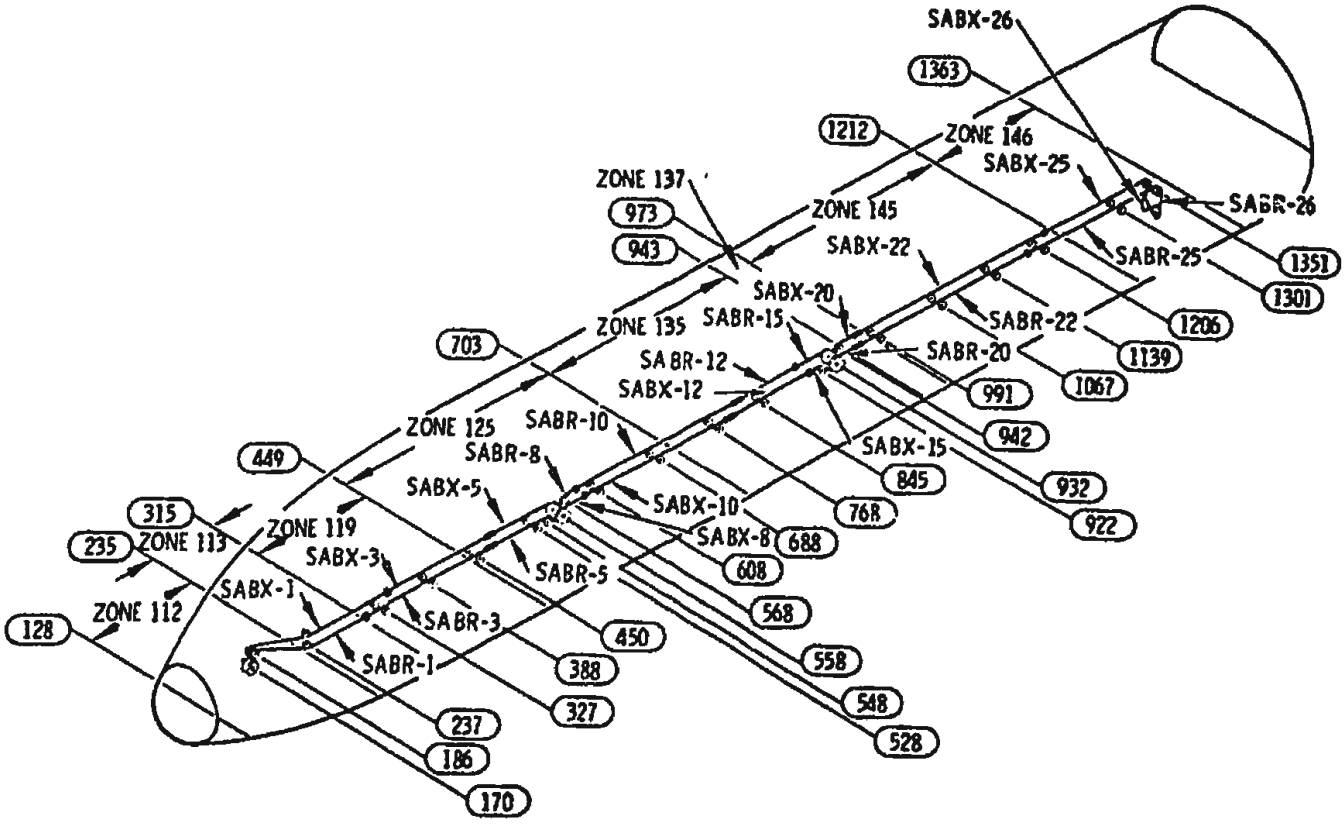
SPOILER CONTROL CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

Figure	Title
1	Spoiler Fuselage Control Cables (SABX, SABR)
2	SAB Cable Fabrication Data
3	Spoiler Wing Control Cables (SUL, SDL)
4	Spoiler Wing Control Cables (SUR, SDR)
5	SUL, SDL, SUR, SDR Cable Fabrication Data



NOTE

⬭	FUSELAGE STATION (APPROXIMATE)
⊙	FAIRLEAD ROLLER
▬	TURNBUCKLE FITTING
•	LOCKCLAD DISCONNECT COUPLING
SABR	SPOILER AIRBRAKE RETRACTED
SABX	SPOILER AIRBRAKE EXTENDED

M1-0002-27-902

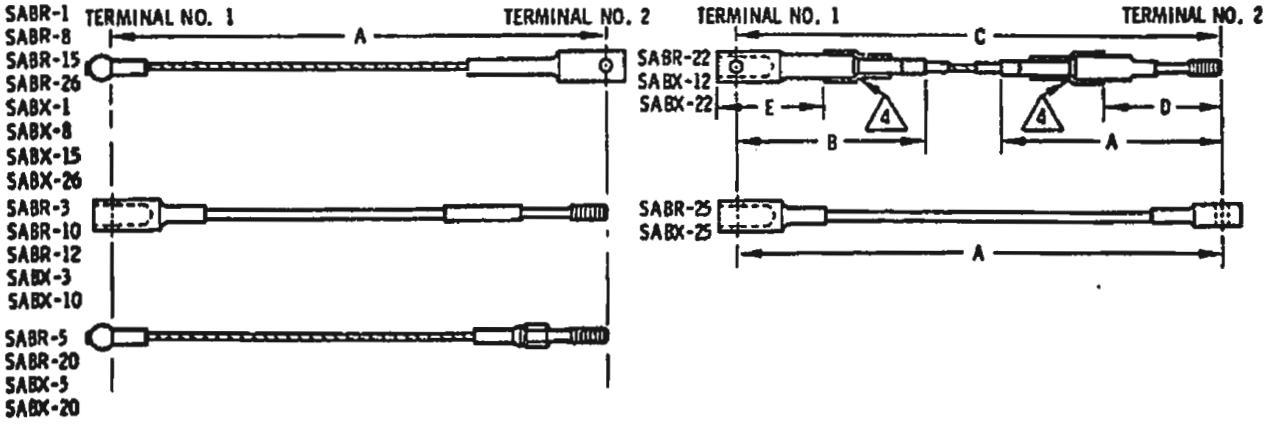
R
R

Spoiler Control Cables (SABX, SABR)
Figure 1

EFFECTIVITY: ALL

IB

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS					(2) TERM. INDEX	TERMINAL FITTINGS	
		DIA	(1) MAT	A	B	C	D	E		NO. 1	NO. 2
SABR-1	1565448-103	3/32	CRES	161.88 (±0.12)	----	----	----	----	-	MS20664C3	1565251-101
SABR-3	LS10403AF3A1804	3/32	CS-C	180.50 (±0.12)	----	----	----	----	0	LS10963A	LS10404L3RH
SABR-5	LS13305A584FJ	3/32	CS	58.50 (±0.06)	----	----	----	----	0	MS20664C3	MS21260L3LH
SABR-8	1565448-107	3/32	CS	24.47 (±0.12)	----	----	----	----	-	1565251-101	MS20664C3
SABR-10	LS10403AF3A2414	3/32	CS-C	241.50 (±0.12)	----	----	----	----	0	LS10963A	LS10404L3RH
SABR-12	LS10403BF3A727	3/32	CS-C	72.87 (±0.12)	----	----	----	----	0	LS10963A	LS10404L3LH
SABR-15	1565448-111	3/32	CRES	39.84 (±0.12)	----	----	----	----	-	1565251-101	MS20664C3
SABR-20	NAS313C14-237	3/32	CS	23.87 (±0.12)	----	----	----	----	-	MS20664C3	MS21260L3RH
SABR-22	1565500-103	3/32	CS-C	65.50 (±0.03)	----	239.00 (±0.03)	----	----	-	LS10966-3A	LS10404L3LH
SABR-25	LS10403FGA1363	3/32	CS-C	136.37 (±0.12)	----	----	----	----	0	LS10966-3A	LS10967-3A
SABR-26	1565448-115	3/32	CRES	48.58 (±0.12)	----	----	----	----	-	MS20663C3	1565251-101
SABX-1	1565448-101	3/32	CRES	177.38 (±0.12)	----	----	----	----	-	1565251-101	MS20664C3
SABX-3	LS10403BF3A1800	3/32	CS-C	180.00 (±0.12)	----	----	----	----	0	LS10966-3A	LS10404L3LH
SABX-5	LS13305A440EJ	3/32	CS	44.00 (±0.06)	----	----	----	----	0	MS20664-C3	MS21260L3RH
SABX-8	1565448-105	3/32	CS	40.23 (±0.12)	----	----	----	----	-	1565251-101	MS20664C3
SABX-10	LS10403BF3A2016	3/32	CS-C	201.75 (±0.12)	----	----	----	----	0	LS10966-3A	LS10404L3LH
SABX-12	1565500-105	3/32	CS-C	----	20.00 (±0.03)	112.80 (±0.03)	----	1.50 (±0.03)	-	LS10966-3A	LS10404L3RH
SABX-15	1565448-109	3/32	CRES	24.91 (±0.12)	----	----	----	----	-	1565251-101	MS20664C3
SABX-20	NAS313C15-392	3/32	CS	39.25 (±0.12)	----	----	----	----	-	MS20664-C3	MS21260L3LH
SABX-22	1565500-101	3/32	CS-C	50.00 (±0.03)	----	239.00 (±0.03)	2.50 (±0.03)	----	-	LS10966-3A	LS10404L3RH
SABX-25	LS10403FG3A1303	3/32	CS-C	130.37 (±0.12)	----	----	----	----	0	LS10966-3A	LS10967-3A
SABX-26	1565448-113	3/32	CRES	39.80 (±0.12)	----	----	----	----	-	MS20663C3	1565251-101



NOTE

(1) MATERIAL CODES
- CS — CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CS-C — SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
- CRES — CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND HOLE OR LOCKING GROOVE AT THE NEAR END

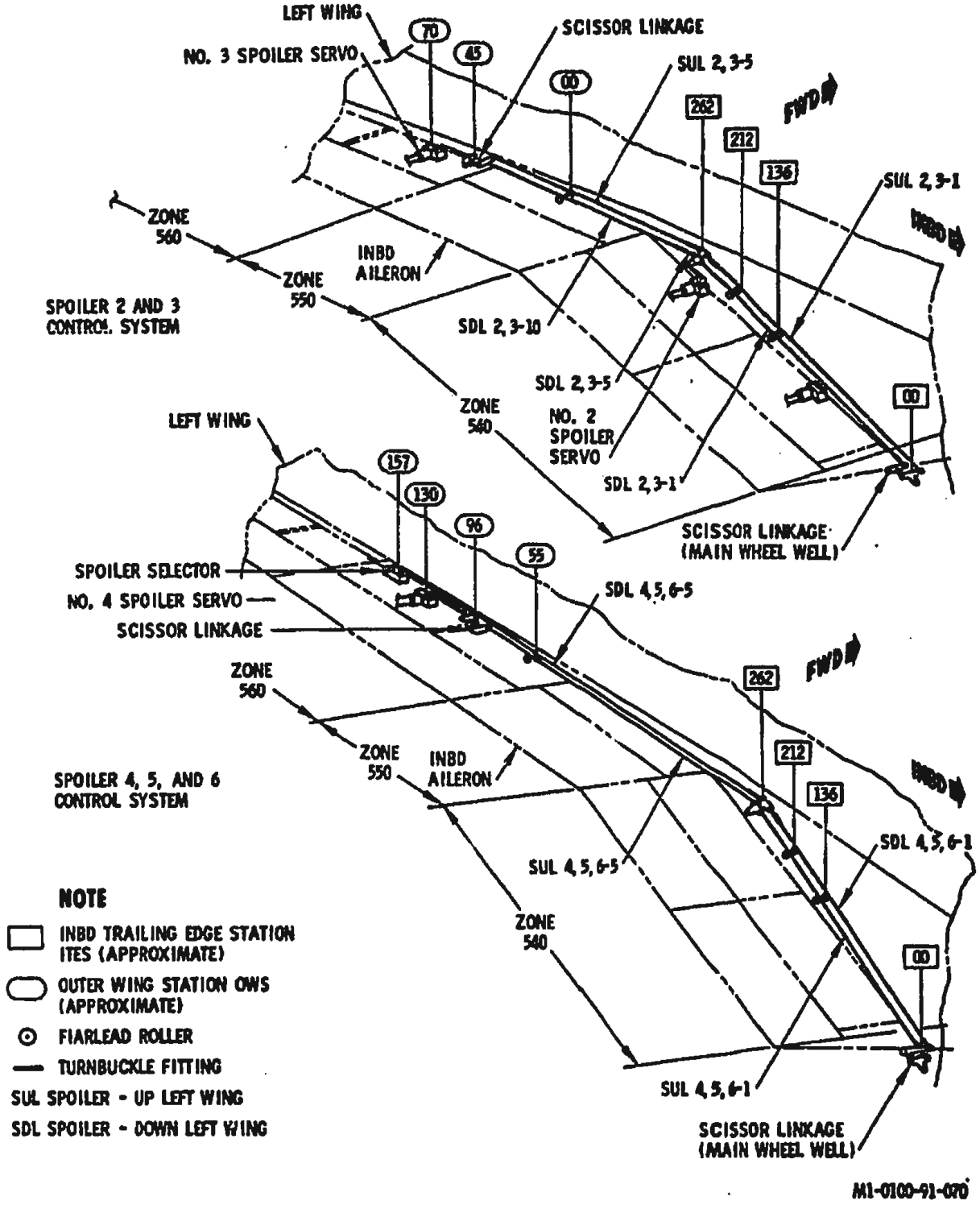
3 ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

M1-0003-91-052

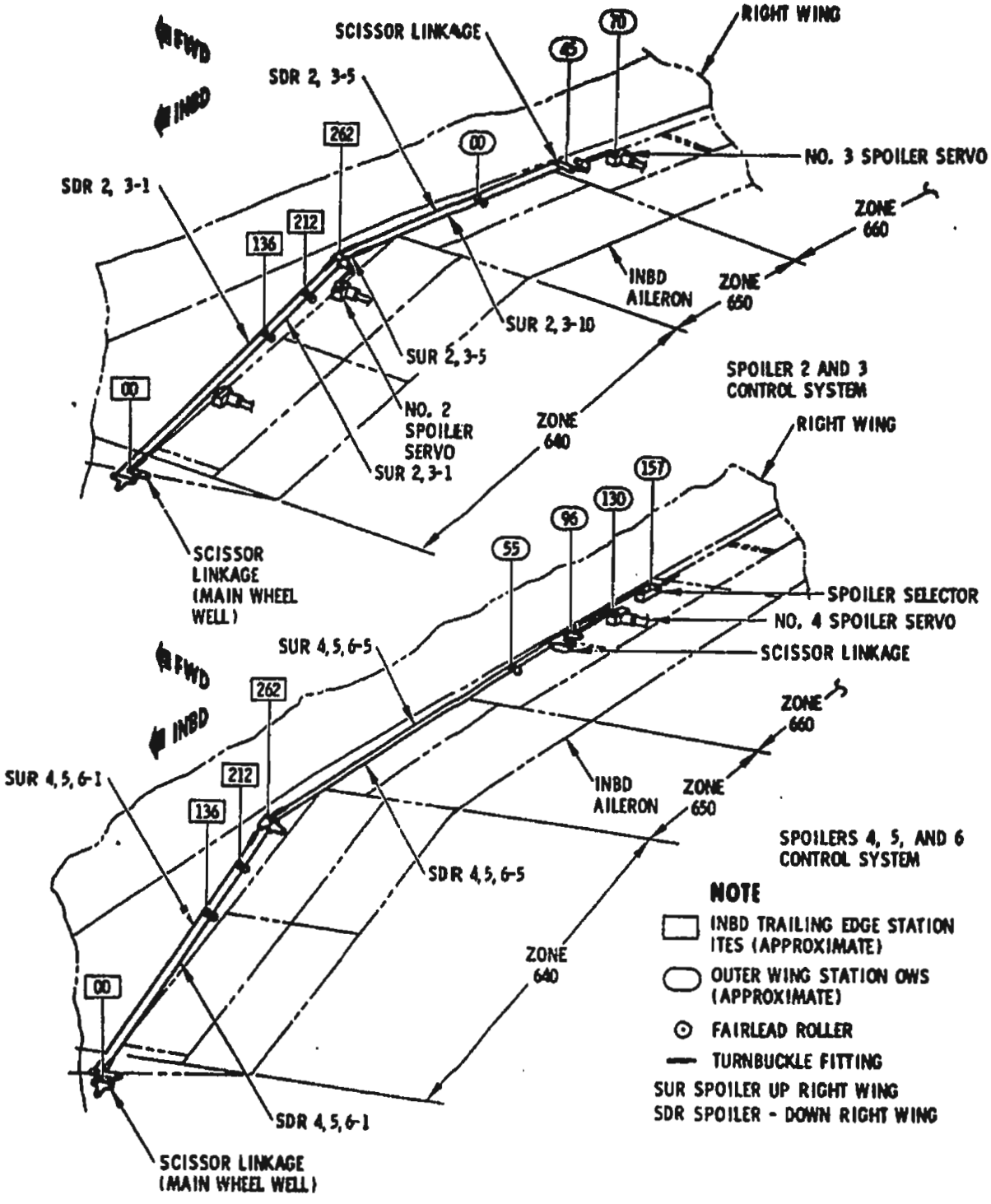
R SAB Cable Fabrication Data
R Figure 2

EFFECTIVITY: ALL



R Spoiler Wing Control Cables (SUL, SDL)
R Figure 3

R EFFECTIVITY: ALL
R
001B



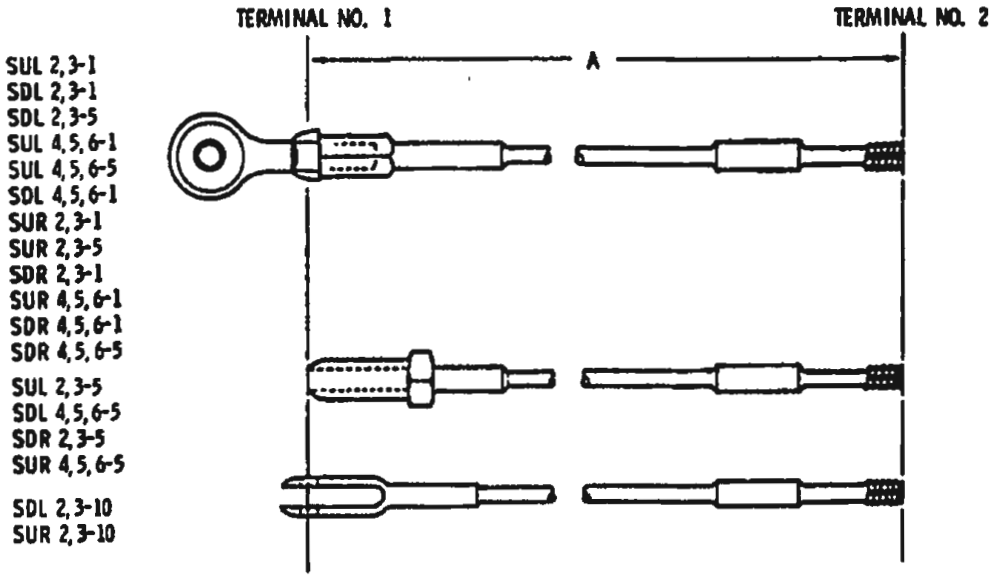
M1-0001-91-071

R
R Spoiler Wing Control Cables (SUR, SDR)
Figure 4

EFFECTIVITY: ALL

001B

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSY DIM	/2\ TERM INDEX	TERMINAL FITTINGS	
		DIA	/1\ MAT	A		NO. 1	NO. 2
SUL 2,3-1	1521725-181	1/8	CS-C	241.15 (+0.13)	18-28	REP4M6-4-FS428	LS10404L4RH
SUL 2,3-5	LS10403BE4A1606	1/8	CS-C	160.75 (+0.12)	0	LS10945-4	LS10404L4LH
SDL 2,3-1	1521725-183	1/8	CS-C	237.31 (+0.13)	18-28	REP4M6-4-FS428	LS10404L4LH
SDL 2,3-5	1521725-185	1/8	CS-C	14.39 (+0.06)	0	REP4M6-4-FS428	LS10404L4RH
SDL 2,3-10	1521726-109	1/8	CS-C	156.56 (+0.13)	90	LS10946B	LS10404L4LH
SUL 4,5,6-1	1521725-183	1/8	CS-C	237.31 (+0.13)	18-28	REP4M6-4-FS428	LS10404L4LH
SUL 4,5,6-5	1521725-187	1/8	CS-C	212.75 (+0.13)	-	REP4M6-4-FS428	LS10404L4RH
SDL 4,5,6-1	1521725-181	1/8	CS-C	241.15 (+0.13)	18-28	REP4M6-4-FS428	LS10404L4RH
SDL 4,5,6-5	LS10403BE4A2175	1/8	CS-C	217.50 (+0.12)	0	LS10945-4	LS10404L4LH
SUR 2,3-1	1521725-191	1/8	CS-C	237.31 (+0.13)	288-298	REP4M6-4-FS428	LS10404L4LH
SUR 2,3-5	1521725-185	1/8	CS-C	14.39 (+0.06)	0	REP4M6-4-FS428	LS10404L4RH
SUR 2,3-10	1521726-109	1/8	CS-C	156.56 (+0.13)	90	LS10946B	LS10404L4LH
SDR 2,3-1	1521725-189	1/8	CS-C	241.15 (+0.13)	288-298	REP4M6-4-FS428	LS10404L4RH
SDR 2,3-5	LS10403BE4A1606	1/8	CS-C	160.75 (+0.12)	0	LS10945-4	LS10404L4LH
SUR 4,5,6-1	1521725-189	1/8	CS-C	241.15 (+0.13)	288-298	REP4M6-4-FS428	LS10404L4RH
SUR 4,5,6-5	LS10403BE4A2175	1/8	CS-C	217.50 (+0.12)	0	LS10945-4	LS10404L4LH
SDR 4,5,6-1	1521725-183	1/8	CS-C	237.31 (+0.13)	18-28	REP4M6-4-FS428	LS10404L4LH
SDR 4,5,6-5	1521725-187	1/8	CS-C	212.75 (+0.13)	-	REP4M6-4-FS428	LS10404L4RH



NOTE

/1\ MATERIAL CODES
CS-CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-1511. CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6 CRES CABLE, FLEXIBLE, PREFORMED CONFORMING TO MIL-C-5424

/2\ NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

/3\ ALL DIMENSIONS ARE IN INCHES

M1-0001-91-072

R SUL, SDL, SUR, SDR Cable Fabrication Data
R Figure 5

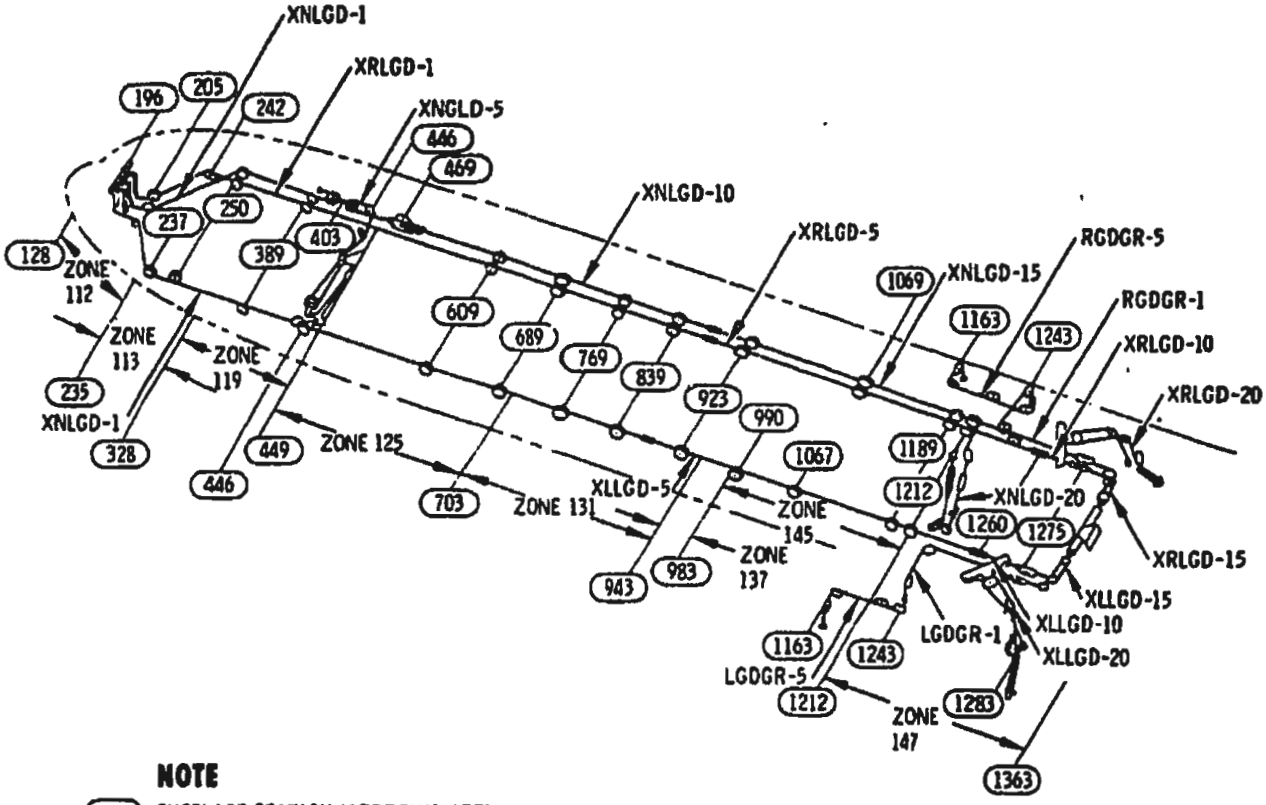
LANDING GEAR EMERGENCY EXTENSION AND DOOR GROUND RELEASE CABLES DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

Figure	Title
1	Emergency Extension and Door Release Cables
2	XNLGD, XRLGD, XLLGD, LGDGR, and RGDGR Cable Fabrication Data



NOTE

- FUSELAGE STATION (APPROXIMATE)
- FAIRLEAD ROLLER
- TURNBUCKLE FITTING
- DISCONNECT COUPLING

XNLGD EMERGENCY NOSE LANDING GEAR DOWN

XRLGD EMERGENCY RIGHT LANDING GEAR DOWN

XLLGD EMERGENCY LEFT LANDING GEAR DOWN

RGDGR RIGHT GEAR DOOR GROUND

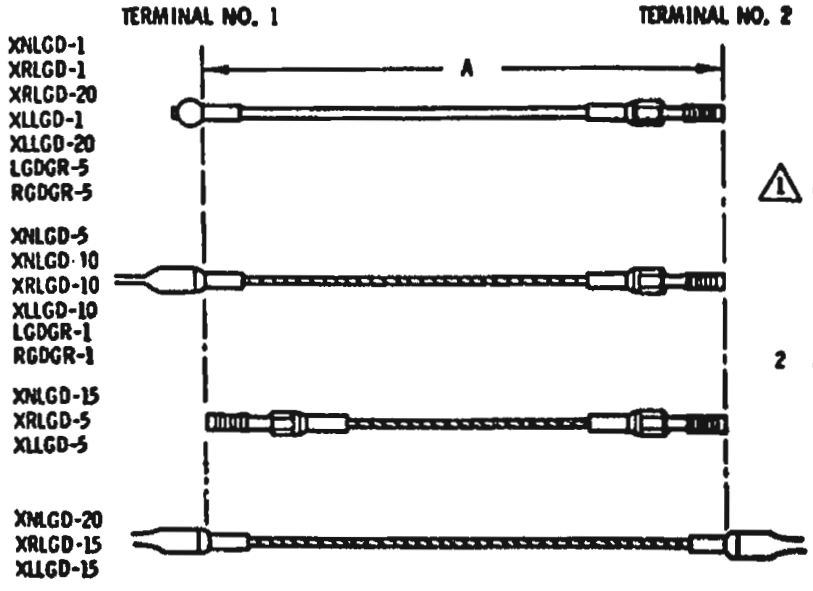
LGDGR LEFT GEAR DOOR GROUND

M1-0001-32-435

R R Emergency Extension and Door Release Cables
Figure 1

EFFECTIVITY: ALL

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS (INCHES)	TERMINAL FITTINGS	
		DIA.	⚠1 MATL	A	NO. 1	NO. 2
XNLGD-1	1541007-101	3/32	CRES	255.70 (±0.2)	MS20664C3	728861-101
XNLGD-5	1541007-105	3/32	CRES	212.7 (±0.2)	MS20664C3	MS21260L3RH
XNLGD-10	1541007-107	3/32	CS	383.7 (±0.2)	MS20664C3	MS21260L3RH
XNLGD-15	1541007-161	3/32	CRES	395.0 (±0.2)	MS21260L3LH	MS21260L3RH
XNLGD-20	1541007-111	3/32	CS	21.7 (±0.2)	MS20664C3	MS20664C3
XRLGD-1	NAS313C14-6746	3/32	CRES	674.75 (±0.2)	MS20664C3	MS21260L3RH
XRLGD-5	NAS303R45-3975	3/32	CRES	397.62 (±0.20)	MS21260L3LH	MS21260L3RH
XRLGD-10	NAS313C25-210	3/32	CRES	21.0 (±0.12)	MS20664C3	MS21260L3LH
XRLGD-15	NAS323C33-404	3/32	CRES	40.5 (±0.12)	MS20664C3	MS20664C3
XRLGD-20	NAS313C14-792	3/32	CRES	79.25 (±0.12)	MS20664C3	MS21260L3RH
XLLGD-1	1541007-127	3/32	CRES	668.70 (±0.2)	MS20664C3	MS21260L3RH
XLLGD-5	NAS303R45-3984	3/32	CRES	398.05 (± 0.20)	MS21260L3LH	MS21260L3RH
XLLGD-10	NAS313C25-210	3/32	CRES	21.0 (± 0.12)	MS20664C3	MS21260L3LH
XLLGD-15	NAS323C33-394	3/32	CRES	39.5 (±0.12)	MS20664C3	MS20664C3
XLLGD-20	NAS313C14-993	3/32	CRES	99.375 (±0.12)	MS20664C3	MS21260L3RH
LGDGR-1	NAS313C25-550	3/32	CRES	55.0 (±0.12)	MS20664C3	MS21260L3LH
LGDGR-5	NAS313C14-1295	3/32	CRES	129.62 (±0.12)	MS20664C3	MS21260L3RH
RGDGR-1	NAS313C25-540	3/32	CRES	54.0 (±0.12)	MS20664C3	MS21260L3LH
RGDGR-5	NAS313C14-1295	3/32	CRES	129.62 (±0.12)	MS20664C3	MS21260L3RH



NOTE

⚠1 MATERIALS CODE

CRES — CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

CS — CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420

2 ALL DIMENSIONS ARE IN INCHES

M1-0302-91-009

XNLGD, XRLGD, XLLGD, LGDGR, and RGDGR Cable Fabrication Data
Figure 2

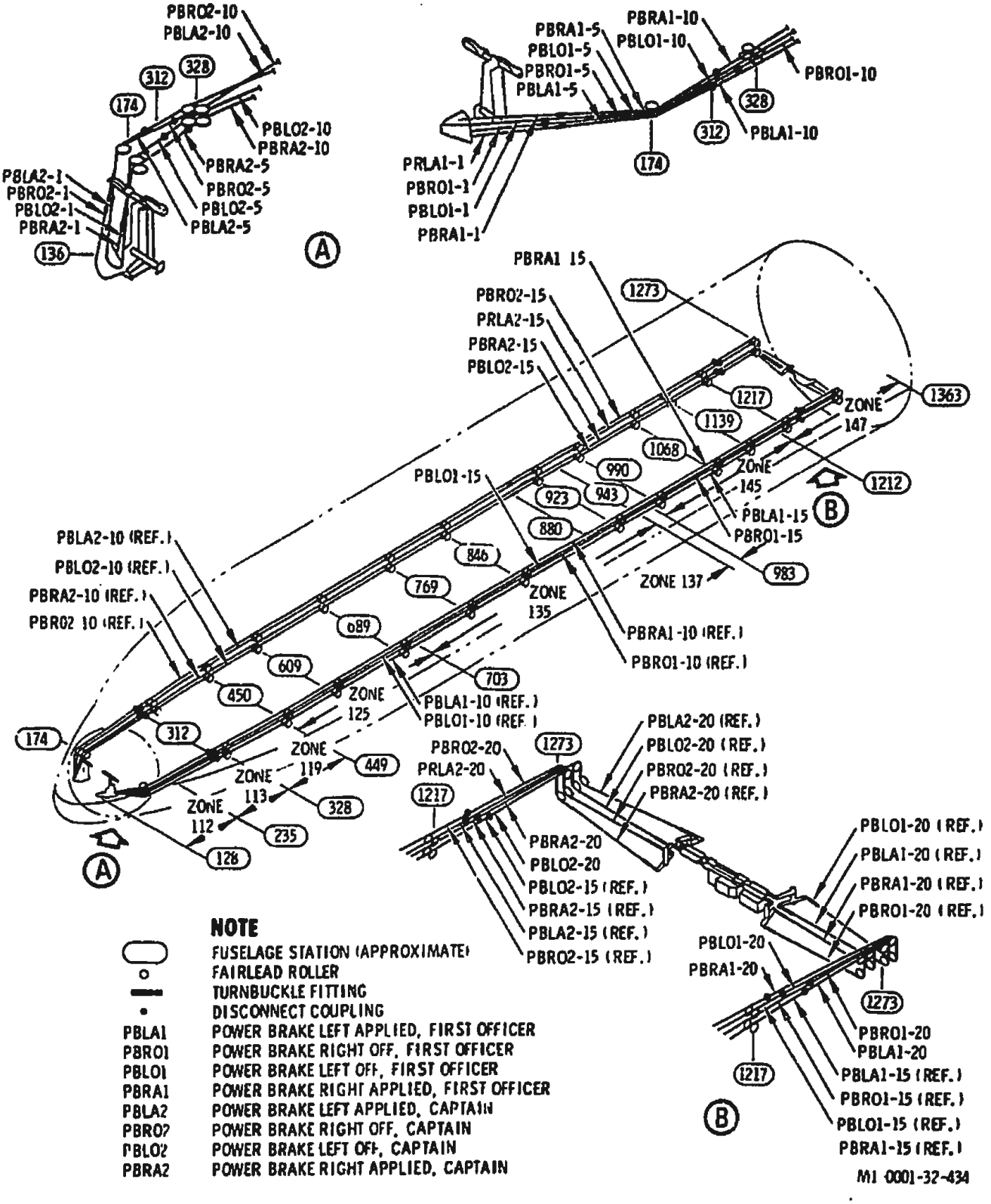
MLG BRAKE SYSTEM CABLES DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

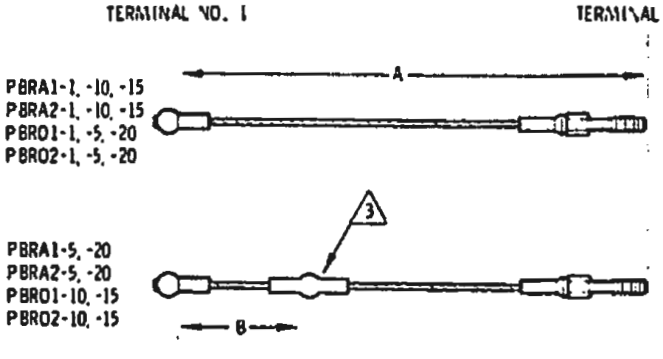
This section provides the following illustrated information:

Figure	Title
1	Power Brake Cables (PB)
2	PB Cable Fabrication Data



Power Brake Cables (PB)
Figure 1

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS (INCHES)		TERMINAL FITTINGS	
		DIA.	1 MAT	A	B	NO. 1	NO. 2
PBRA1-1	LS13305A163EJ	3 32	CS	16.37 (±0.06)	----	MS20664C3	MS21260L3RH
PBRA1-5	1551351-121	3 32	CRES	170.20 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3LH
PBRA1-10	LS13305A5453EJ	3 32	CS	545.37 (±0.25)	----	MS20664C3	MS21260L3RH
PBRA1-15	LS13305A3643FJ	3 32	CS	364.37 (±0.20)	----	MS20664C3	MS21260L3LH
PBRA1-20	1551351-125	3 32	CRES	93.12 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3RH
PBRA2-1	LS13305A181EJ	3 32	CS	18.12 (±0.06)	----	MS20664C3	MS21260L3RH
PBRA2-5	1551351-105	3 32	CRES	179.30 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3LH
PBRA2-10	LS13305A5540EJ	3 32	CS	554.00 (±0.25)	----	MS20664C3	MS21260L3RH
PBRA2-15	LS13305A3734FJ	3 32	CS	373.50 (±0.12)	----	MS20664C3	MS21260L3LH
PBRA2-20	1551351-113	3 32	CRES	64.00 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3RH
PBRO1-1	LS13305A121EJ	3 32	CS	12.12 (-0.06)	----	MS20664C3	MS21260L3RH
PBRO1-5	NAS313C15-1693	3 32	CRES	169.37 (±0.12)	----	MS20664C3	MS21260L3LH
PBRO1-10	1551351-149	3 32	CRES	562.62 (-0.03)	1.19 (±0.03)	MS20664C3	MS21260L3RH
PBRO1-15	1551351-157	3 32	CS	361.67 (±0.03)	1.19 (-0.03)	MS20664C3	MS21260L3LH
PBRO1-20	NAS313C14-572	3 32	CRES	57.25 (±0.12)	----	MS20664C3	MS21260L3RH
PBRO2-1	LS13305A195EJ	3 32	CS	19.62 (-0.06)	----	MS20664C3	MS21260L3RH
PBRO2-5	NAS313C15-1635	3 32	CRES	163.62 (±0.12)	----	MS20664C3	MS21260L3LH
PBRO2-10	1551351-133	3 32	CRES	606.37 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3RH
PBRO2-15	1551351-145	3 32	CS	323.87 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3LH
PBRO2-20	NAS313C14-832	3 32	CRES	83.25 (±0.12)	----	MS20664C3	MS21260L3RH



NOTE

1. MATERIAL CODES
   - CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
   - CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420
2. ALL DIMENSIONS ARE IN INCHES
3. MS20663C3 BALL END. WHEN THIS BALL IS LOCATED 1.19 ± 0.03 INCHES FROM A MS20664C3 BALL AT THE END OF A CABLE, IT IS NOT REQUIRED ON A CABLE ASSEMBLY TO BE USED ON A TWA AIRCRAFT.

M1-0000-91-135

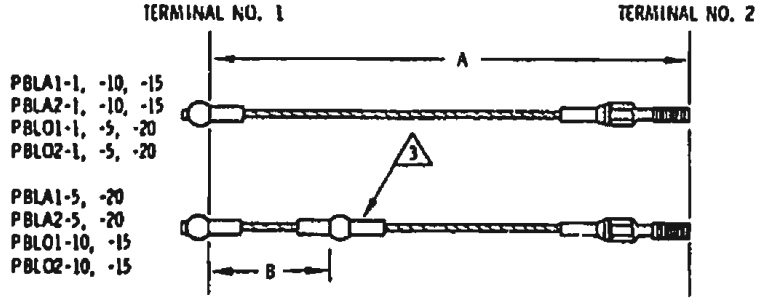
CR
CR

PB Cable Fabrication Data
Figure 2 (Sheet 1)

EFFECTIVITY: ALL

001B

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE DIMENSIONS		TERMINAL FITTINGS	
		DIA.	⚠1 MATL	A	B	NO. 1	NO. 2
PBLA1-1	LS13305A181FJ	3/32	CS	18.12 (±0.06)	---	MS20664C3	MS21260L3LH
PBLA1-5	1551351-101	3/32	CRES	179.30 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3RH
PBLA1-10	LS13305A5540FJ	3/32	CS	554.00 (±0.25)	---	MS20664C3	MS21260L3LH
PBLA1-15	LS13305A3734EJ	3/32	CS	373.50 (±0.12)	---	MS20664C3	MS21260L3RH
PBLA1-20	1551351-109	3/32	CRES	69.37 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3LH
PBLA2-1	LS13305A163FJ	3/32	CS	16.37 (±0.06)	---	MS20664C3	MS21260L3LH
PBLA2-5	1551351-117	3/32	CRES	170.20 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3RH
PBLA2-10	LS13305A5453FJ	3/32	CS	545.37 (±0.25)	---	MS20664C3	MS21260L3LH
PBLA2-15	LS13305A3643EJ	3/32	CS	364.37 (±0.12)	---	MS20664C3	MS21260L3RH
PBLA2-20	1551351-129	3/32	CRES	97.62 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3LH
PBLO1-1	LS13305A195FJ	3/32	CS	19.62 (±0.06)	---	MS20664C3	MS21260L3LH
PBLO1-5	NAS313C14-1635	3/32	CRES	163.62 (±0.12)	---	MS20664C3	MS21260L3RH
PBLO1-10	1551351-137	3/32	CRES	606.37 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3LH
PBLO1-15	1551351-141	3/32	CS	323.87 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3RH
PBLO1-20	NAS313C15-883	3/32	CRES	88.37 (±0.12)	---	MS20664C3	MS21260L3LH
PBLO2-1	LS13305A121FJ	3/32	CS	12.12 (±0.06)	---	MS20664C3	MS21260L3LH
PBLO2-5	NAS313C14-1693	3/32	CRES	169.37 (±0.12)	---	MS20664C3	MS21260L3RH
PBLO2-10	1551351-153	3/32	CRES	582.62 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3LH
PBLO2-15	1551351-161	3/32	CS	361.87 (±0.03)	1.19 (±0.03)	MS20664C3	MS21260L3RH
PBLO2-20	NAS313C15-621	3/32	CRES	62.16 (±0.12)	---	MS20664C3	MS21260L3LH



NOTE

⚠1 MATERIAL CODES
- CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

2 ALL DIMENSIONS ARE IN INCHES

⚠3 MS20663C3 BALL END. WHEN THIS BALL IS LOCATED 1.19 ±0.03 INCHES FROM A MS20664C3 BALL AT THE END OF A CABLE, IT IS NOT REQUIRED ON A CABLE ASSEMBLY TO BE USED ON A TWA AIRCRAFT.

M1-0000-91-136

CR
CR

PB Cable Fabrication Data
Figure 2 (Sheet 2)

EFFECTIVITY: ALL

001B

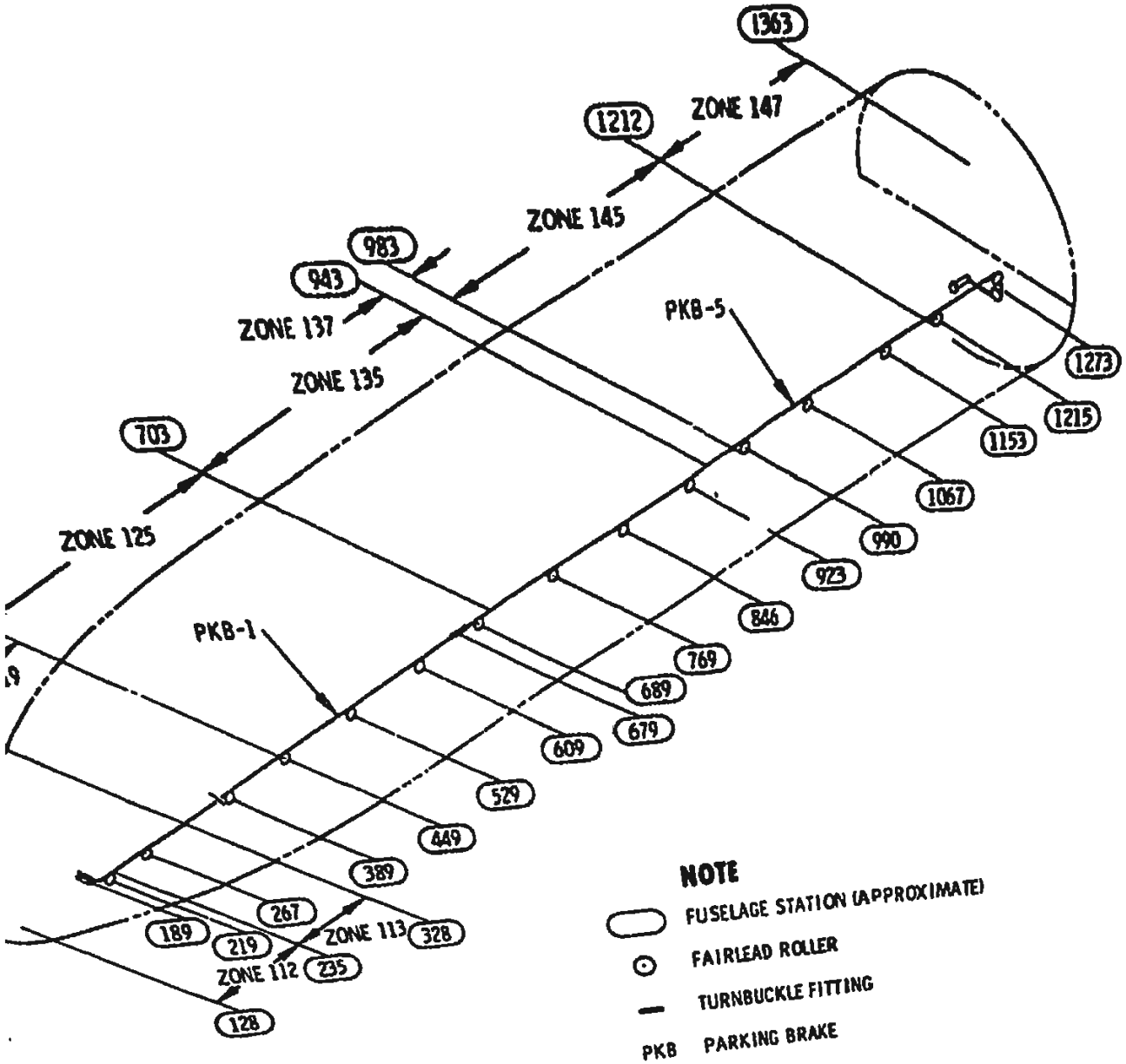
PARKING BRAKE CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

Figure	Title
1	Parking Brake Cables (PKB)
2	PKB Cable Fabrication Data



M1-0001-32-440

Parking Brake Cables (PKB)
Figure 1

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS (INCHES)	TERMINAL FITTINGS	
		DIA.	⚠1 MAT.	A	NO. 1	NO. 2
PKB-1 PKB-5	NAS303R44-4803 NAS303R55-6060	3/32 3/32	CRES CRES	480.37 (±0.25) 606.00 (±0.25)	MS21260L3RH MS21260L3LH	MS21260L3RH MS21260L3LH

NOTE

⚠1 MATERIAL CODE
CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

2 ALL DIMENSIONS ARE IN INCHES

M1-0101-91-057

PKB Cable Fabrication Data
Figure 2

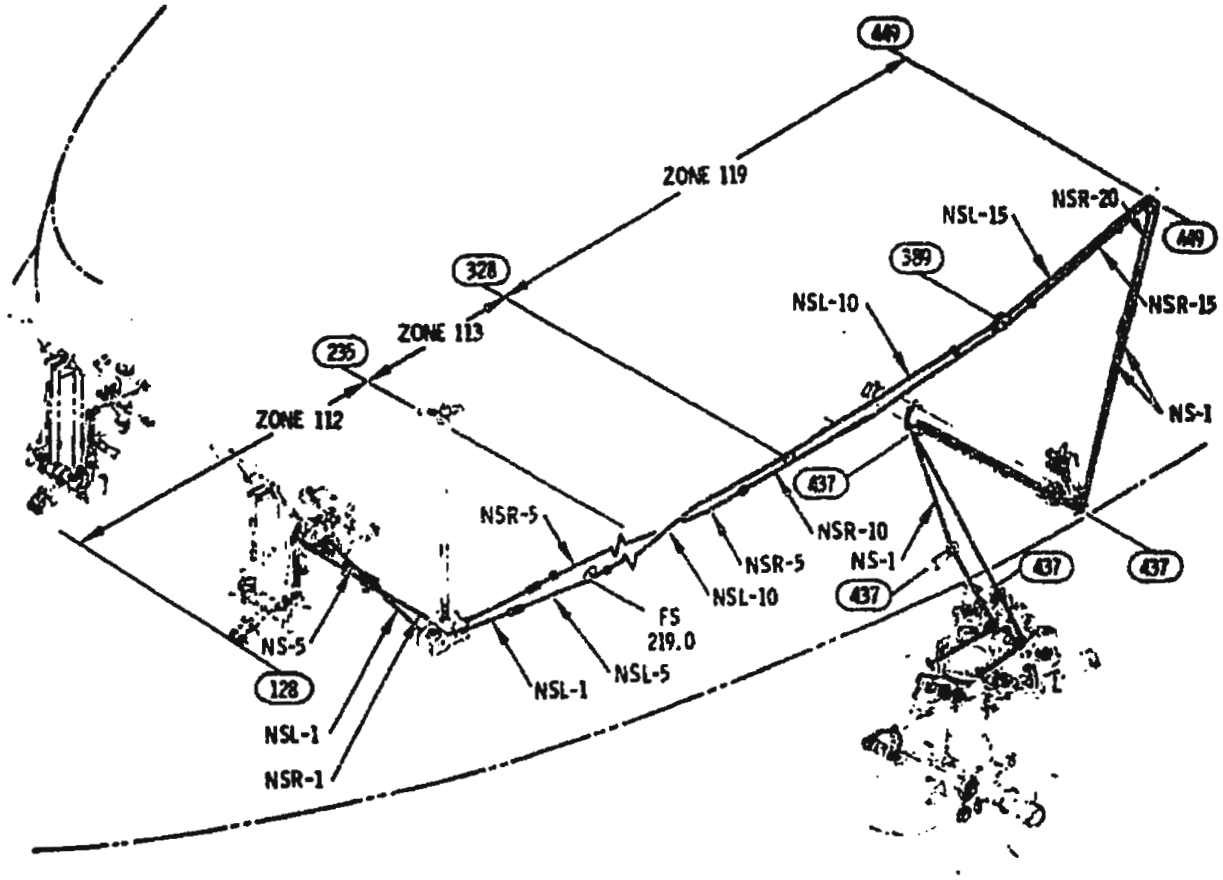
NOSE GEAR STEERING CABLES
DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

Figure	Title
1	Nose Gear Steering Cables (NS, NSL, and NSR)
2	NS, NSL, and NSR Cable Fabrication Data



NOTE

⬭	FUSELAGE STATION (APPROXIMATE)
⊙	FAIRLEAD ROLLER
▬	TURNBUCKLE FITTING
●	LOCKCLAD DISCONNECT COUPLING
NSR	NOSE STEERING RIGHT
NSL	NOSE STEERING LEFT
NS	NOSE STEERING

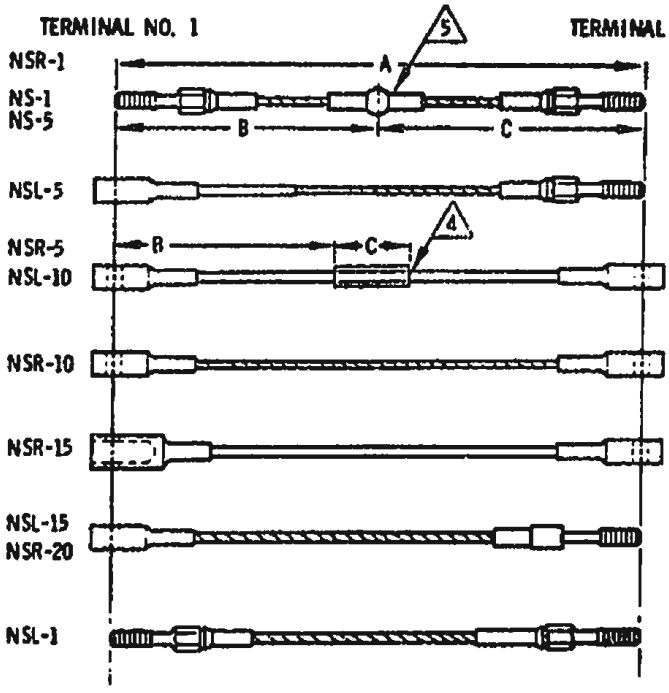
M1-0001-91-106

R R Nose Gear Steering Cables (NS, NSL, and NSR)
Figure 1

EFFECTIVITY: ALL

0018

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			TERMINAL INDEX (2)	TERMINAL FITTINGS	
		DIA	MAT. (1)	A	B	C		NO. 1	NO. 2
NSL-1	LS13306A663EG	3/32	CS	66.37 (±0.12)	-----	-----	-----	MS21260L3RH	MS21260S3RH
NSL-5	1565252-101	3/32	CS	28.46 (±0.03)	-----	-----	-----	MS21260L3LH	1565251-101
NSL-10	1565255-103	1/8	CS-C	146.0 (±0.12)	0.75 - 1.00 (±0.06)	59 - 59.25 (±0.25)	-----	LS10966-4A	LS10966-4A
NSL-15	1566435-117	3/32	CRES	93.28 (±0.06)	-----	-----	-----	1565251-101	MS21260L3RH
NSR-1	1541248-109	3/32	CS	104.13(±0.06)	34.75 (±0.06)	69.38 (±0.12)	-----	MS21260S3LH	MS21260-L3LH
NSR-5	1565255-117	1/8	CS-C	92.50 (±0.12)	22.57 (±0.25)	67.00(±0.025)	-----	LS10966-4A	LS10966-4A
NSR-10	1565254-109	3/32	CS	92.74 (±0.06)	-----	-----	-----	1565251-101	1565251-101
NSR-15	LS10403FF4A387	1/8	CS-C	38.87 (±0.12)	-----	-----	0	LS10966-4A	LS10966-4A
NSR-20	1566435-101	3/32	CRES	29.35 (±0.06)	-----	-----	-----	1565251-101	MS21260L3LH
NS-1	1535805-101	3/32	CRES	353.46(±0.25)	176.58(±0.12)	176.88(±0.12)	-----	MS21260L3RH	MS21260L3LH
NS-5	1504208-109	3/32	CS	42.00 (±0.06)	21.00 (±0.06)	21.00(±0.06)	-----	MS20260S3RH	MS20260S3LH



NOTE

(1) MATERIAL CODE
- CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CS-C SAME AS CS EXCEPT WITH 6051-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
- CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

(5) MS20663C3 BALL END

M1-0001-91-099

R NS, NSL, and NSR Cable Fabrication Data
R Figure 2

R EFFECTIVITY: ALL

001B

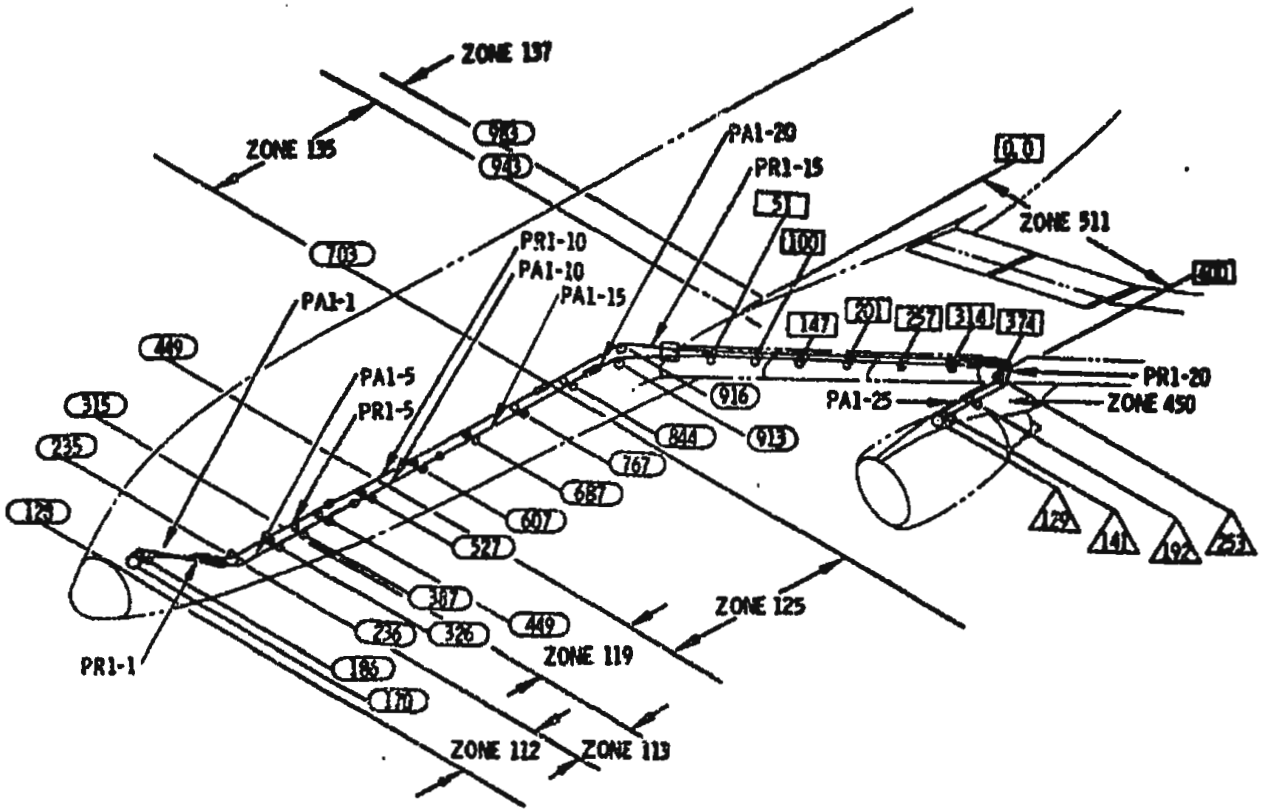
ENGINE POWER CONTROL CABLES - DESCRIPTION AND OPERATION

1. General

R NOTE: "Cable assemblies must meet the swaging, proof load and
R other applicable requirements of Lockheed Corporate
R Process Specification LCP 70-1103A, reference overhaul
R manual 20-70-03."

This section provides the following illustrated information:

Figure	Title
1	No. 1 Engine Power Control Cables (PA1, PR1)
2	No. 2 Engine Power Control Cables (PA2, PR2)
3	No. 3 Engine Power Control Cables (PA3, PR3)
4	PA1 Cable Fabrication Data
5	PR1 Cable Fabrication Data
6	PA2 Cable Fabrication Data
7	PR2 Cable Fabrication Data
8	PA3 Cable Fabrication Data
9	PR3 CABLE Fabrication Data



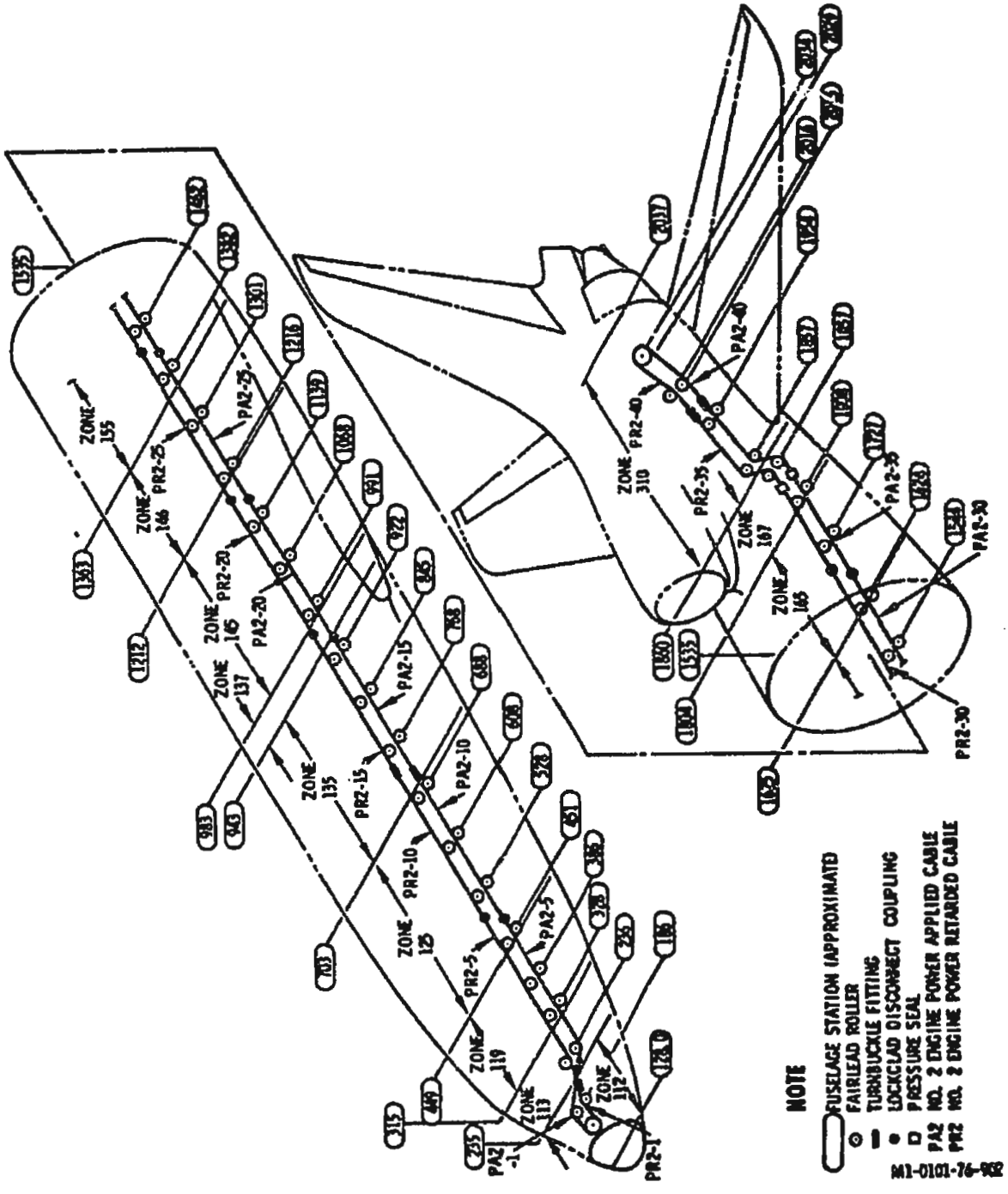
NOTE

- FUSELAGE STATION (APPROXIMATE)
- PYLON STATION (APPROXIMATE)
- LEADING EDGE STATION (LES)
- FAIRLEAD ROLLER
- TURNBUCKLE FITTING
- LOCKCLAD DISCONNECT COUPLING
- PRESSURE SEAL

PA1 NO. 1 ENGINE POWER APPLIED CABLE
PR1 NO. 1 ENGINE POWER RETARD CABLE

M1-0001-76-901

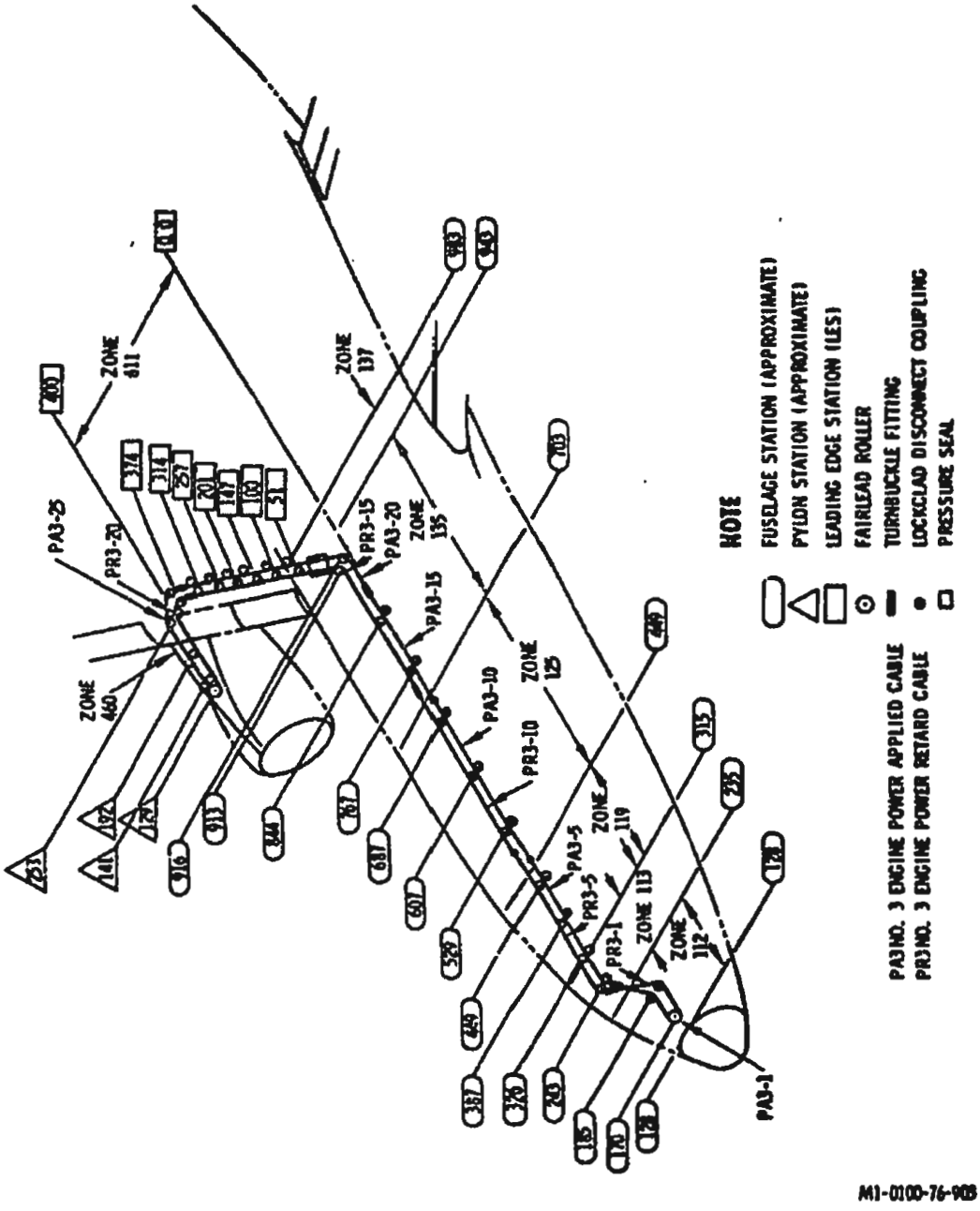
R
R No. 1 Engine Power Control Cables (PA1, PR1)
Figure 1



R No. 2 Engine Power Control Cables (PA2, PR2)
R Figure 2

EFFECTIVITY: ALL

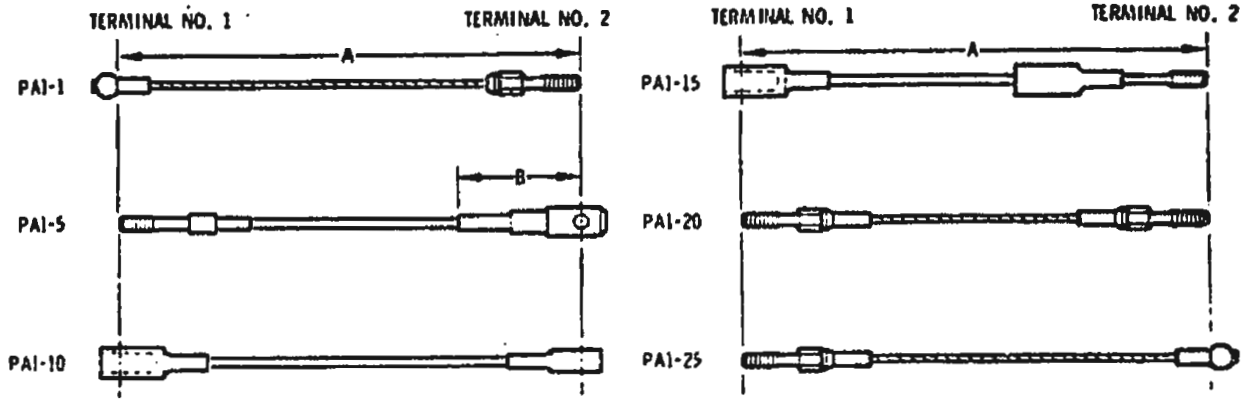
001 B



R
R

No. 3 Engine Power Control Cables (PA3, PR3)
Figure 3

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS		TERMINAL /2\ INDEX	TERMINAL FITTINGS	
		DIA.	/1\ MAT.	A	B		NO. 1	NO. 2
PA1-1	LS13106A521GJ	3/32	CS	52.12 (±0.06)	---	---	MS20664C3	MS21260-S3RH
PA1-5	1555004-101	3/32	CRES-C	310.62 (±0.20)	105.0	---	MS21260-S3LH	LS10967-3A
PA1-10	LS10403FG3A2390	3/32	CS-C	239.00 (±0.12)	---	0	LS10966-3A	LS10967-3A
PA1-15	LS10403AF3A1021	3/32	CS-C	102.12 (±0.12)	---	0	LS10966-3A	LS10804L3RH
PA1-20	NAS303R45-4740	3/32	CRES	474.00 (±0.20)	---	---	MS21260L3LH	MS21260L3RH
PA1-25	NAS313C15-2282	3/32	CRES	228.25 (±0.12)	---	---	MS21260L3LH	MS20664C3



NOTE

/1\ MATERIAL CODES

- CS — CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
- CS-C — SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
- CRES — CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420
- CRES-C — SAME AS CRES EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

/2\ NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

/3\ ALL DIMENSIONS ARE IN INCHES

M11-0003-76-024

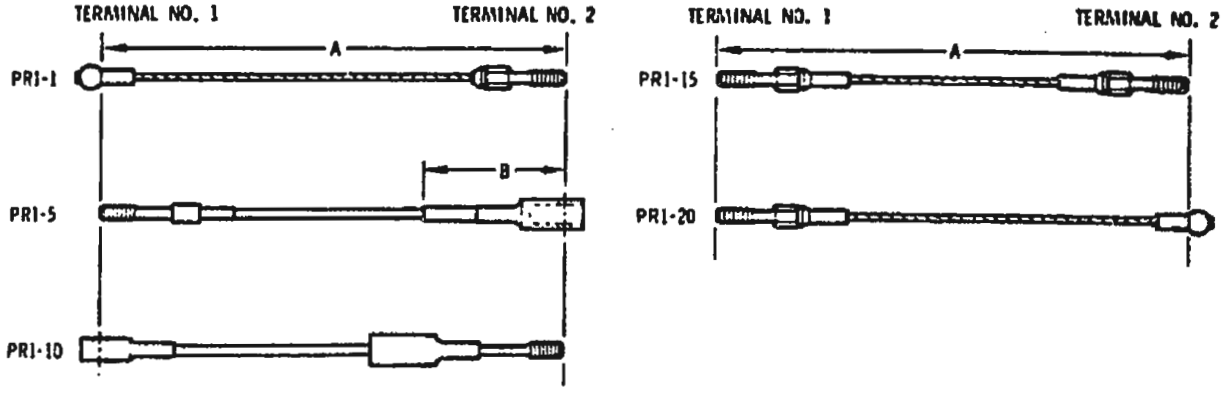
R
R

PA1 Cable Fabrication Data
Figure 4

EFFECTIVITY: ALL

001B

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSY DIMENSIONS		TERMINAL INDEX (2)	TERMINAL FITTINGS	
		DIA.	(1) MAT.	A	B		NO. 1	NO. 2
PR1-1	LS13305A685GJ	3 32	CS	68.62 (±0.06)	---	---	MS20664C3	MS21260-S3RH
PR1-5	1555004-105	3 32	CRES-C	273.50 (±0.20)	94.0	---	MS21260-S3LH	LS10966-3A
PR1-10	LS10403AG3A2327	3 32	CS-C	232.87 (±0.12)	---	0	LS10967-3A	LS10808L3RH
PR1-15	NAS303R45-5462	3 32	CRES	546.25 (±0.25)	---	---	MS21260L3LH	MS21260L3RH
PR1-20	1545350-111	3 32	CRES	284.38 (±0.12)	---	---	MS21260L3LH	MS20663C3



NOTE

(1) MATERIAL CODES

CS — CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420

CS-C — SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

CRES — CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

CRES-C — SAME AS CRES EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

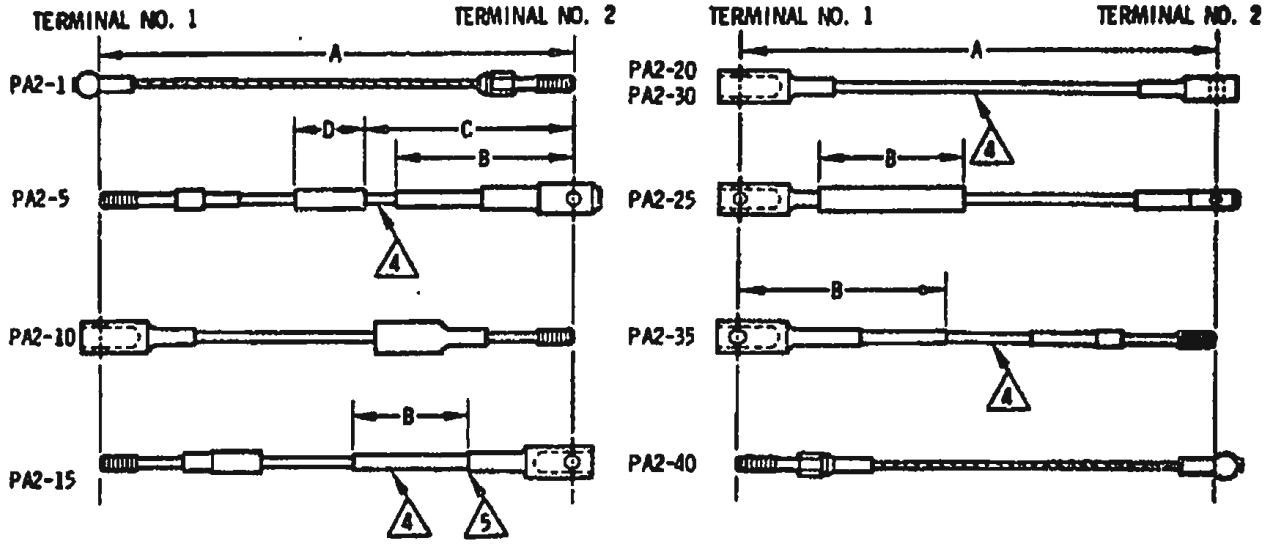
3 ALL DIMENSIONS ARE IN INCHES

M1-0003-76-025

R
R

PR1 Cable Fabrication Data
Figure 5

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS				TERMINAL INDEX (2)	TERMINAL FITTINGS	
		DIA.	(1) MAT.	A	B	C	D		NO. 1	NO. 2
PA2-1	LS13305A677GJ	3/32	CS	67.87 (±0.06)	---	---	---	---	MS20664C3	MS21260-S3RH
PA2-5	1591860-101	3/32	CRES-C	253.50 (±0.03)	77.0	107.0	32.0	---	MS21260-S3LH	LS10967-3A
PA2-10	LS10403AF3A2341	3/32	CS-C	234.12 (±0.12)	---	---	---	0	LS10966-3A	LS10404L3RH
PA2-15	1554896-101	3/32	CS-C	217.87 (±0.03)	49.0	---	---	---	LS10404L3LH	LS10967-3A
PA2-20	LS10403FG3A2400	3/32	CS-C	240.00 (±0.12)	---	---	---	0	LS10966-3A	LS10967-3A
PA2-25	1554895-101	3/32	CS-C	240.00 (±0.12)	27.0	---	---	---	LS10966-3A	LS10967-3A
PA2-30	1591859-125	3/32	CS-C	299.50 (±0.12)	---	---	---	0	LS10966-3A	LS10967-3A
PA2-35	1554931-109	3/32	CRES-C	455.50 (±0.20)	149.0	---	---	---	LS10966-3A	MS21260-S3LH
PA2-40	NAS313C16-572	3/32	CRES	572.00 (±0.25)	---	---	---	---	MS21260-S3RH	MS20664C3



NOTE

(1) MATERIAL CODES

CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420

CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

CRES-C SAME AS CRES EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR SIDE

3 ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING. END OF POLYOLEFIN TUBING TO BE ±0.25 FROM END OF LOCKCLAD TUBING

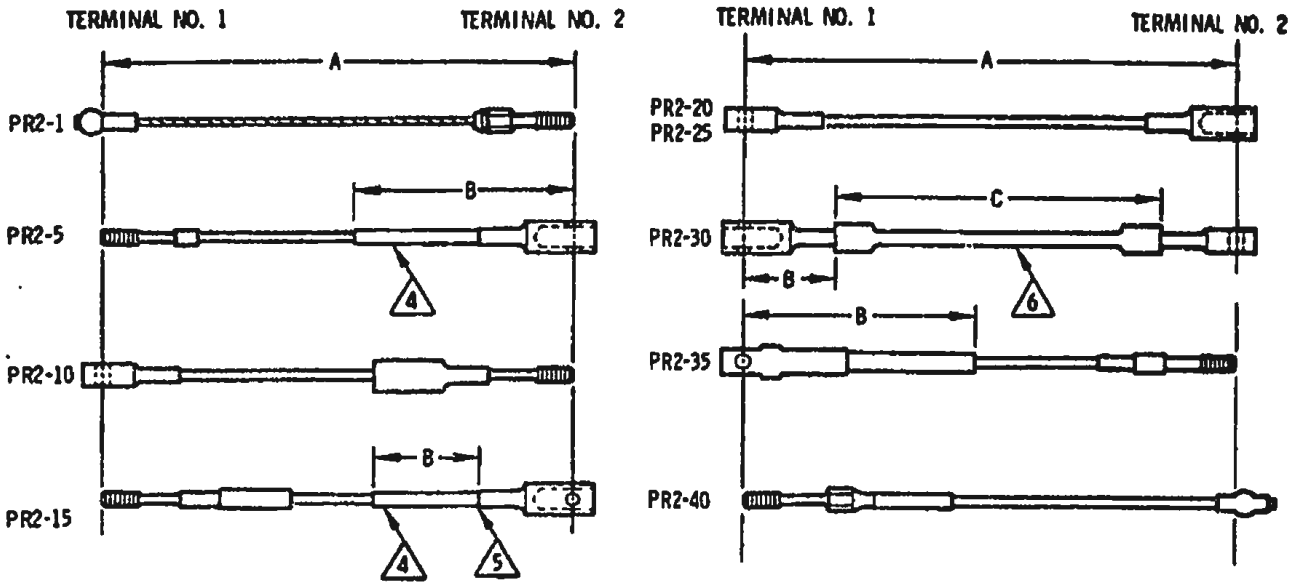
(5) SEAL END OF TERMINAL BY APPLYING BEAD OF EPOXY ASHESIVE

M1-0102-76-026

R PA2 Cable Fabrication Data
R Figure 6

EFFECTIVITY: ALL

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS				TERMINAL INDEX (2)	TERMINAL FITTINGS	
		DIA.	(1) MAT.	A	B	C	D		NO. 1	NO. 2
PR2-1	LS13305A526GJ	3/32	CS	52.75 (±0.06)	---	---	---	---	MS20664C3	MS21260-S3RH
PR2-5	1591860-111	3/32	CRES-C	288.90 (±0.09)	96.0	---	---	---	MS21260-S3LH	LS10966-3A
PR2-10	LS10403AG3A2441	3/32	CS-C	244.12 (±0.12)	---	---	---	0	LS10967-3A	LS10404L3RH
PR2-15	1554897-101	3/32	CS-C	207.87 (±0.12)	69.0	---	---	---	LS10404L3LH	LS10966-3A
PR2-20	LS10403FG3A2400	3/32	CS-C	240.0 (±0.12)	---	---	---	0	LS10967-3A	LS10966-3A
PR2-25	LS10403FG3A2400	3/32	CS-C	240.0 (±0.12)	---	---	---	0	LS10967-3A	LS10966-3A
PR2-30	1591859-125	3/32	CS-C	229.50 (±0.12)	.88	227.75	---	0	LS10967-3A	LS10966-3A
PR2-35	1554932-109	3/32	CRES-C	448.37 (±0.20)	130.0	---	---	---	LS10967-3A	MS21260-S3LH
PR2-40	1555812-105	3/32	CRES	41.12 (±0.06)	---	---	---	---	MS21260-S3RH	MS20663C3



NOTE

(1) MATERIAL CODES

CS CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420

CS-C SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

CRES CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420

CRES-C SAME AS CRES EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

(3) ALL DIMENSIONS ARE IN INCHES

(4) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING. END OF POLYOLEFIN TUBING TO BE ±0.25 FROM END OF LOCKCLAD TUBING

(5) SEAL END OF TERMINAL BY APPLYING BEAD OF EPOXY ADHESIVE

(6) HEAT SHRINKABLE POLYOLEFIN CLEAR TUBING

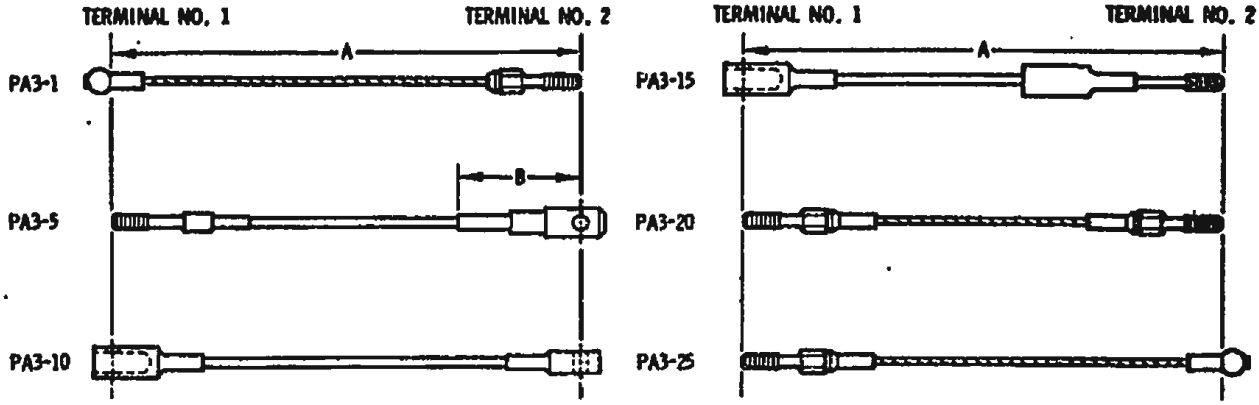
MI-0003-76-027

R PR2 Cable Fabrication Data
R Figure 7 (Sheet 1)

⑥ THE NUMBER 2 ENGINE POWER CONTROL CABLES, PAZ-35 AND PRZ-35, CAN BE CUT AND REPLACED FROM APPROXIMATELY STATION 1829 TO THE AFT TERMINAL.

1. APPROXIMATELY 20 INCHES AFT OF THE 1809 BULKHEAD, CUT THE PA2-35 AND PRZ-35 CABLES AND SWAGE AN MS21260S3( ) TERMINAL ON EACH FORWARD CABLE SECTION.
2. FABRICATE THE AFT CABLE SECTION AND SWAGE ON AN MS21260S3( ) OF OPPOSITE HAND THREADS AS USED IN STEP 1.
3. JOIN CABLES WITH AN MS212S1-B3L TURN BARREL AND TENSION CABLES FOR PRESTRETCHING.
4. CYCLE CABLES (NO. 2 THROTTLE) FULL FORWARD AND FULL AFT WHILE AN INSPECTOR VISUALLY VERIFIES THE TURNBARREL INSTALLATION CLEARS ALL STRUCTURE, PULLEYS AND FAIRLEADS.
5. PRESTRETCH CABLE PER MAINTENANCE MANUAL.
6. SAFETY CABLE SECTIONS AT TURN BARRELS AND AT THE AFT ATTACH POINTS.

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS		TERMINAL (2) INDEX	TERMINAL FITTINGS	
		DIA.	(1) MAT.	A	B		NO. 1	NO. 2
PA3-1	LS13305A6940J	3/32	CS	69.50 (±0.06)	---	---	MS20664C3	MS21260-S3RH
PA3-5	1555004-103	3/32	CRES-C	252.88 (±0.20)	75.0	---	MS21260-S3LH	LS10967-3A
PA3-10	LS10403FG3A2390	3/32	CS-C	239.00 (±0.12)	---	0	LS10966-3A	LS10967-3A
PA3-15	LS10403AF3A1611	3/32	CS-C	161.12 (±0.12)	---	0	LS10966-3A	LS10967-3RH
PA3-20	NAS303R55-4013	3/32	CRES	401.37 (±0.25)	---	---	MS21260L3LH	MS21260L3LH
PA3-25	NAS313C14-2850	3/32	CRES	285.00 (±0.20)	---	---	MS21260L3RH	MS20664C3



NOTE

(1) MATERIAL CODES

CS	CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
CS-C	SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
CRES	CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420
CRES-C	SAME AS CRES EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

MI-0003-76-028

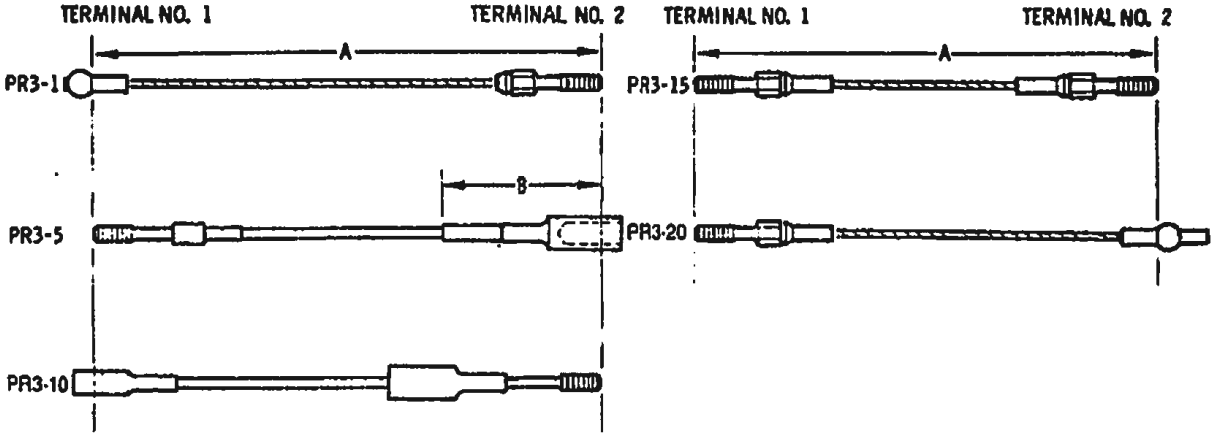
R PA3 Cable Fabrication Data
R Figure 8 (Sheet 1)

R EFFECTIVITY: ALL
R
0018

⑥ THE NUMBER 2 ENGINE POWER CONTROL CABLES, PAZ-35 AND PRZ-35, CAN BE CUT AND REPLACED FROM APPROXIMATELY STATION 1829 TO THE AFT TERMINAL.

1. APPROXIMATELY 20 INCHES AFT OF THE 1809 BULKHEAD, CUT THE PA2-35 AND PRZ-35 CABLES AND SWAGE AN MS21260S3( ) TERMINAL ON EACH FORWARD CABLE SECTION.
2. FABRICATE THE AFT CABLE SECTION AND SWAGE ON AN MS21260S3( ) OF OPPOSITE HAND THREADS AS USED IN STEP 1.
3. JOIN CABLES WITH AN MS212S1-B3L TURN BARREL AND TENSION CABLES FOR PRESTRETCHING.
4. CYCLE CABLES (NO. 2 THROTTLE) FULL FORWARD AND FULL AFT WHILE AN INSPECTOR VISUALLY VERIFIES THE TURNBARREL INSTALLATION CLEARS ALL STRUCTURE, PULLEYS AND FAIRLEADS.
5. PRESTRETCH CABLE PER MAINTENANCE MANUAL.
6. SAFETY CABLE SECTIONS AT TURN BARRELS AND AT THE AFT ATTACH POINTS.

CABLE CODE	CABLE ASSEMBLY PART NUMBER	CABLE		CABLE ASSEMBLY DIMENSIONS			TERMINAL INDEX (2)	TERMINAL FITTINGS	
		DIA.	(1) MAT.	A	B	C		NO. 1	NO. 2
PR3-1	LS13305A532GJ	3/32	CS	53.25 (±0.06)	----	----	----	MS20664C3	MS21260-S3RH
PR3-5	1555004-107	3/32	CRES-C	288.38 (±0.20)	94.0	----	----	MS21260-S3LH	LS10966-3A
PR3-10	LS10403AG3A2441	3/32	CS-C	244.12 (±0.12)	----	----	0	LS10967-3A	LS10404L3RH
PR3-15	NAS303R55-5902	3/32	CRES	590.25 (±0.25)	----	----	----	MS21260L3LH	MS21260L3LH
PR3-20	1545350-109	3/32	CRES	228.25 (±.12)	----	----	----	MS21260L3RH	MS20663C3



NOTE

(1) MATERIAL CODES

CS	CARBON STEEL (FLEXIBLE) TIN COATED PREFORMED CONFORMING TO MIL-W-83420
CS-C	SAME AS CS EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6
CRES	CRES (FLEXIBLE) PREFORMED CONFORMING TO MIL-W-83420
CRES-C	SAME AS CRES EXCEPT WITH 6061-T6 ALUM CLADDING CONFORMING TO WW-T-700/6

(2) NUMBER INDICATES ANGLE (IN DEGREES) OF CLOCKWISE ROTATION BETWEEN HOLE OR LOCKING GROOVE AT FAR END AND THE HOLE OR LOCKING GROOVE AT THE NEAR END

3 ALL DIMENSIONS ARE IN INCHES

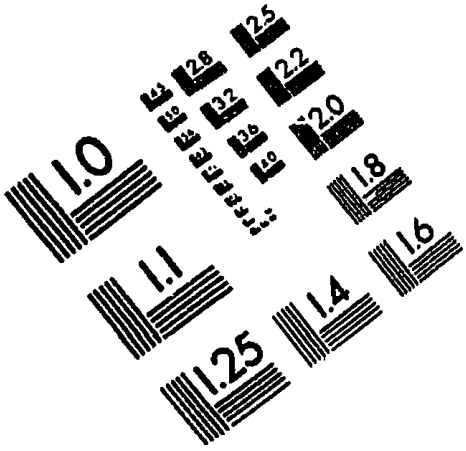
MI-0004-78-029

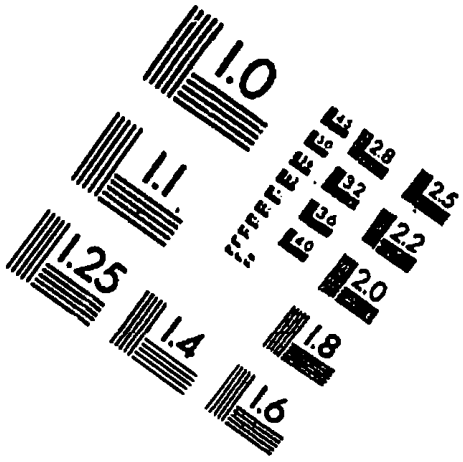
R PR3 Cable Fabrication Data
R Figure 9

R EFFECTIVITY: ALL
R
001B

TOP

Film Identification

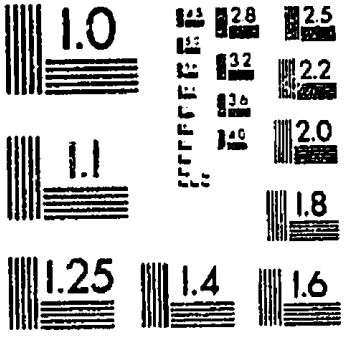




Century

1303 Geneva Avenue
St. Paul, MN 55119

PRECISION℠ RESOLUTION TARGETS

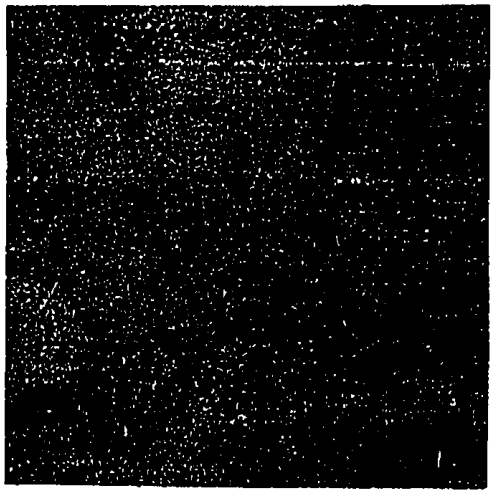


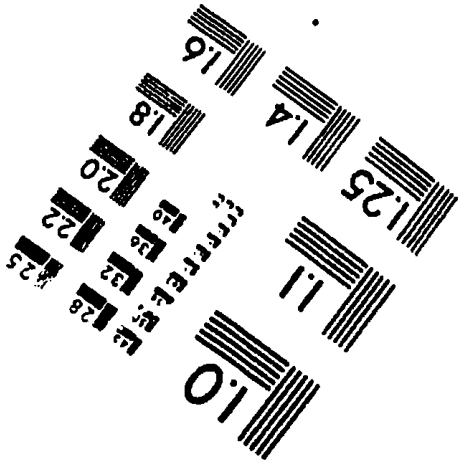
LEFT

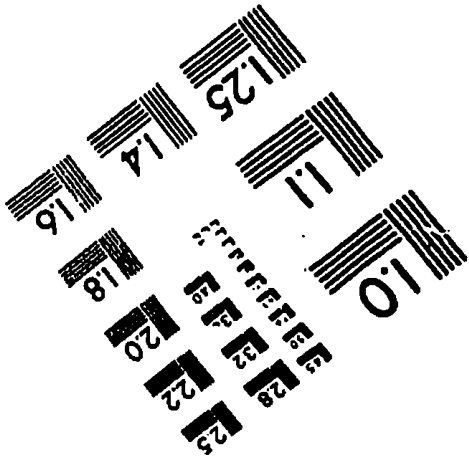
RIGHT

150 MM

6"







PM-3 8½"x11" PHOTOGRAPHIC GENERAL TARGET
NBS 1010a ANSI/ISO #2 EQUIVALENT